DIRECTORY OF CANADIAN UNIVERSITIES

RÉPERTOIRE DES UNIVERSITÉS CANADIENNES

28th edition
28e édition

1991

ASSOCIATION OF UNIVERSITIES AND COLLEGES OF CANADA
ASSOCIATION DES UNIVERSITÉS ET COLLÈGES DU CANADA

directory of canadian universities

répertoire des universités canadiennes

1991

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Association of Universities and Colleges of Canada

Association des Universités et Collèges du Canada

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ISBN 0-88876-127-0
ISSN 0706-2338
Deposited with the National Library of Canada
Printed in Canada

Copies may be obtained from the Publications Office
Association of Universities and Colleges of Canada
151 Slater Street
Ottawa, Ontario K1P 5N1

Price: Canada $26.95 + GST
United States $27.95 + GST (air delivery, add $4)
Other countries $29.95 + GST (air delivery, add $10)
Please note: All payments from outside Canada must be in Canadian funds and remitted in the form of an international bank or postal money order.

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ISBN 0-88876-127-0
ISSN 0706-2338
91-04057/
Dépôt légal — La Bibliothèque nationale du Canada
Imprimé au Canada

On peut obtenir des exemplaires de ce Répertoire auprès du Service des publications
Association des Universités et Collèges du Canada
151, rue Slater
Ottawa (Ontario) K1P 5N1

Prix: Canada 26,95 $ + TPS
États-Unis 27,95 $ + TPS (par avion, ajouter 4 $)
Autres pays 29,95 $ + TPS (par avion, ajouter 10 $))
Veuillez noter: Tous les paiements en provenance de l'étranger doivent être versés sous forme de mandat de banque ou de poste internationale.

The National Library of Canada has catalogued this publication as follows:

Directory of Canadian universities = Répertoire des universités canadiennes

1977-
Biennial (1980/1981?-)
Annual (1977-1980?)
Text in English or French.
Issued 1977-1978? by Statistics Canada; 1978?-by the Association of Universities and Colleges of Canada.
ISSN 0706-2338

1.Universities and colleges--Canada--Directories.
I. Statistics Canada. Education, Science and Culture Division II. Association of Universities and Colleges of Canada III. Title:Répertoire des universities canadiennes.

L905.U52 378.71 C78-031064-0E

La Bibliothèque nationale du Canada a catalogué ce publication de la façon suivante:

Directory of Canadian universities = Répertoire des universités canadiennes

1977-
Biennial (1980/1981?-)
Annual (1977-1980?)
Textes en anglais ou en français.
Publ. 1977-1978? par Statistique Canada; 1978?-par l'Association des universités et collèges du Canada.
ISSN 0706-2338

1.Universités--Canada-- Répertoires.
I. Statistique Canada. Division de l'Education, des science et de la culture
II. Association des universités et collèges du Canada III. Titre:Répertoire des universities canadiennes.

L905.U52 378.71 C78-031064-0F

Foreword

The Association of Universities and Colleges of Canada (AUCC) is the national voice of Canada's universities, representing 89 universities and university-level colleges with a total enrolment of some 800,000 students and employment of over 35,000 members of faculty.

The Directory of Canadian Universities, a biennial publication of the Association, provides an overview of the Canadian university system and informs the public about Canadian university education programs and services, and the institutions that offer them. Since the directory was last published, two universities have joined the AUCC membership: British Columbia Open University in Richmond, British Columbia, was admitted in 1988 and Concordia College in Edmonton, Alberta, joined in 1990.

Guidance counsellors, prospective students, university administrators, academics, researchers and government officials in Canada and abroad use the directory as a reference guide to higher education in Canada. Two introductory articles respond to the information needs of this broad audience. The first article provides an overview of the history, development and governance of universities in Canada as well as information on their fundamental missions and their role in society today. The second focuses on the information needs of prospective Canadian and international students. Also included is statistical information on full and part-time enrolment at Canadian universities and on university tuition fees.

Individual chapters on each of the AUCC's member institutions make up a large portion of the directory: Information includes the institution's history, programs of study, undergraduate and graduate admission requirements, academic year, grading system, research facilities, research chairs and student housing, services and activities. Information about daycare, ombudsmen and services for disabled students has been included wherever possible.

New to the institutional profile is a brief paragraph outlining the international mandate of those institutions involved in international development.

Information in this edition of the directory is accurate to the summer of 1990. For detailed information regarding undergraduate programs, students should contact the university registrar at the institution of interest to them. For information on graduate programs, contact the dean of graduate studies.

The AUCC wishes to thank the registrars, information officers and all other staff at its member institutions who helped in the preparation of this edition.

George Pedersen
Chairman
Association of Universities and Colleges of Canada

Avant-propos

L'Association des Universités et Collèges du Canada (AUCC) est la voix nationale des universités du Canada et représente 89 universités et collèges universitaires qui groupent environ 800 000 étudiants et emploient plus de 35 000 professeurs.

Le Répertoire des universités canadiennes, que l'Association publie tous les deux ans, donne un aperçu du système universitaire canadien et renseigne le public sur les programmes d'études et les services et sur les universités qui les offrent. Depuis la dernière édition précédente, deux universités sont devenues membres de l'Association : British Columbia Open University de Richmond, Colombie-Britannique, admise en 1988 et Concordia College d'Edmonton, Alberta, admis en 1990.

Des orienteurs, de futurs étudiants, des administrateurs d'universités, des universitaires, des chercheurs et des fonctionnaires, ici et à l'étranger, se servent du répertoire comme guide de l'enseignement supérieur au Canada. Deux articles d'introduction répondent aux besoins d'information de sa vaste clientèle. Le premier passe en revue l'histoire, le développement et l'administration de nos universités ainsi que leur mission essentielle et leur rôle dans la société d'aujourd'hui. Le deuxième article est axé sur les besoins d'information des étudiants éventuels, canadiens et étrangers. Nous ajoutons des données statistiques sur les inscriptions à temps plein et à temps partiel et sur les droits de scolarité.

Les chapitres consacrés à chacune des universités membres de l'AUCC occupent une grande partie de l'ouvrage. Les renseignements portent sur l'historique de l'établissement, la liste des programmes d'études, les conditions d'admission aux trois cycles, l'année universitaire, le système de notation, les installations et chaires de recherche ainsi que le logement, les services et les occupations qu'on propose à l'étudiant. Nous ajoutons dans la mesure du possible des renseignements sur les garderies, les protecteurs des droits et les services aux étudiants handicapés.

Cette année, nous ajoutons au profil des universités qui s'adonnent au développement international un court paragraphe sur leur mandat.

Les renseignements donnés dans la présente édition étaient exacts à l'été 1990. Les étudiants pourront obtenir des détails sur les programmes de premier cycle en s'adressant au registraire de l'université ou collège qui les intéresse. Les renseignements sur les programmes de deuxième ou troisième cycle s'obtiennent du doyen des études supérieures.

L'AUCC tient à remercier les registraires, les agents d'information et tous les autres agents des établissements membres qui ont contribué à la préparation de la présente édition.

George Pedersen
Président du Conseil
Association des Universités et Collèges du Canada

Acknowledgments

The Editors acknowledge the staff of AUCC member institutions who provided the information published in this Directory. The information is current as of summer 1990. Wherever possible, however, an effort has been made to include any late changes to institutional listings when they were brought to the attention of the editor.

The Gage Canadian Dictionary was used to determine spelling changes made to information provided.

The Research and Policy Analysis Division of the AUCC collaborated extensively with Statistics Canada to provide up-to-date data on postsecondary education for the introductory articles.

Revenue income statements for each institution are not included in this year's edition of the directory. This information can be found in Financial Statistics of Universities and Colleges 1988-89, a publication prepared by Statistics Canada for the Association of Canadian University Business Officers (CAUBO). Copies may be obtained from the Publications Office, Association of Universities and Colleges of Canada.

The editors express their appreciation to the AUCC General Services staff responsible for word processing, translation and proofreading, and to the Administrator of that section for co-ordinating the overall production and printing.

Remerciements

Les rédacteurs remercient le personnel des établissements membres de l'AUCC qui ont fourni les renseignements contenus dans le présent répertoire. Ces renseignements étaient à jour à l'été 1990. Nous nous sommes efforcés dans la mesure du possible d'inclure les changements de dernière heure qui ont été signalés à l'attention du rédacteur concernant un établissement ou l'autre.

Les modifications orthographiques apportées aux renseignements fournis l'ont été en fonction du Gage Canadian Dictionary.

La Division de la recherche et analyse des politiques de l'AUCC a beaucoup collaboré avec Statistique Canada à l'établissement de données à jour sur l'enseignement postsecondaire pour les articles d'introduction.

L'état des revenus par université ne figure pas dans l'édition de cette année. On trouvera ce renseignement dans Statistiques financières des universités et collèges 1988-1989, une publication que Statistique Canada prépare pour l'Association canadienne du personnel administratif universitaire (ACPAU). En vente au Service des publications, Association des Universités et Collèges du Canada.

Les rédacteurs expriment leur reconnaissance au personnel des Services généraux de l'AUCC qui s'est chargé du traitement de textes, de la traduction et de la correction d'épreuves, ainsi qu'à l'administrateur des Services généraux qui a coordonné l'ensemble de la production et de l'impression.

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Canadian Universities: An Overview

Their History and Development

The diverse religious, cultural and linguistic traditions that, woven together, form the Canadian polity, have played a part in the evolution of Canadian universities. Today, the diversity one finds among, and even within, the 89 member institutions of the Association of Universities and Colleges of Canada (AUCC) reflects the way each of those institutions has responded to the particular needs of its constituents and to the social and political milieu within which it developed.

Before examining the history of universities in Canada, it is important to understand what is meant by the term "university". In Canada, that term is applied to a postsecondary educational institution that has the power to grant degrees. It should be noted, however, that several of those institutions are called colleges, a few are called institutes or schools.

A university or college may be associated with another university as a federated, affiliated or constituent institution. Generally, a federated institution is responsible for its own administration and has the power to grant degrees, but during the term of the federation agreement it holds some or all of its degree-granting powers in abeyance. An affiliated institution is responsible for its own administration, but does not have the power to grant degrees. A constituent institution is an integral part of the parent university with respect to both administrative and academic matters.

Sixty-seven of the AUCC's 89 member institutions grant degrees in all the programs they offer. Of the remaining 22, six grant degrees in a limited number of fields (usually theology and divinity), holding the rest of their degree-granting powers in abeyance. The others hold all of their degree-granting powers in abeyance. Each of these 14 institutions, however, has an affiliation agreement of one kind or another with a university that exercises full degree-granting powers.

The university tradition in Canada dates back more than 300 years to the Séminaire de Québec, a precursor to Université Laval, founded in 1663. Like institutions founded roughly a century later in New Brunswick and Nova Scotia, and somewhat later still in Upper Canada, its governance was under the control of religious authorities. In fact, Canada's earliest universities, with few exceptions, were religious institutions. Not surprisingly, they were influenced in their development by European models found in pre-revolutionary France, England, Scotland and Germany.

The first non-denominational institution in Canada to offer instruction at the university level was McGill University in Montreal founded in 1821.

At the time of Canadian Confederation in 1867, government involvement of any kind in institutions of higher learning was still minimal. That situation began to change in the late 1800s and the early years of this century when the governments of Canada's four western provinces—Manitoba, Saskatchewan, Alberta and British Columbia—began setting up provincially chartered universities in much the same way that land-grant colleges were established in the United States.

Direct federal involvement in higher education came in 1876 with the establishment of the Royal Military College in Kingston. That involvement was to take on increasing importance during World War II when Ottawa enlisted the universities to help support the war effort. Universities were seen as an important source of highly skilled professionals, research and technological innovation. After the war, Ottawa turned to the universities again to provide education and training benefits to returning veterans. This led to federal financial support of the universities. The years immediately following the war witnessed a period of major expansion as the universities initiated new programs to meet the increased demands of the general public and the growth in scientific development.

As in other countries, higher education in Canada underwent a period of truly spectacular growth in the late 1950s and throughout the 1960s. In the seven years between 1955 and 1962, full-time university enrolment doubled. It doubled again between 1962 and 1969. Part-time enrolment, too, saw phenomenal growth. Between 1962 and 1969 it nearly tripled. To keep pace with the educational needs of the 'baby-boom' generation, 19 new universities were granted provincial charters and existing institutions greatly expanded the scope of their activities.

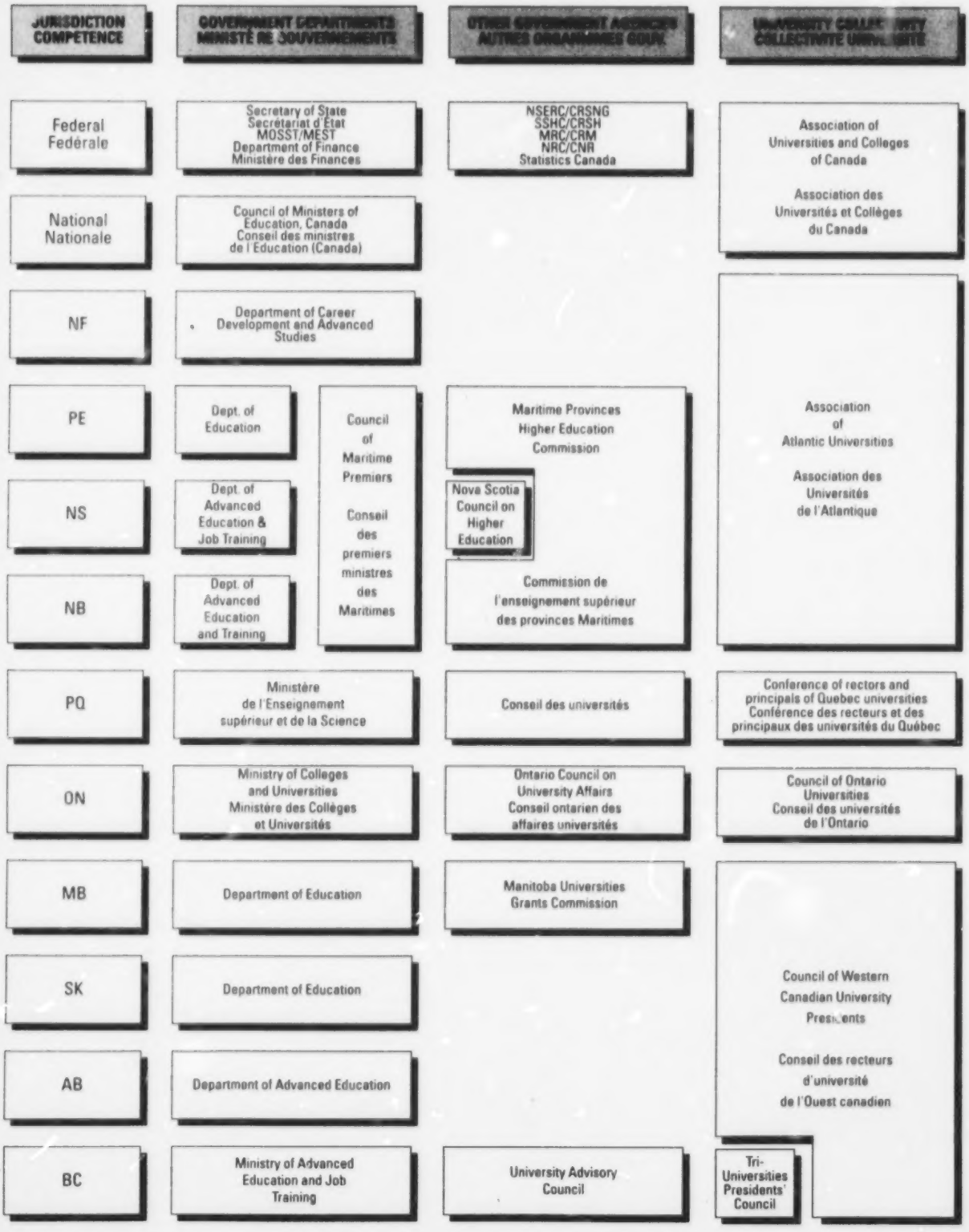
University enrolment continued to grow through the 1970s and 1980s, but at a somewhat slower rate—this despite an actual decline in the traditional 18-24 year-old cohort. These increases are largely attributable to the increased participation of women. In 1960-61, women accounted for just 24.3 percent of full-time university enrolment. Today that figure is 51 percent.

Preliminary enrolment figures for 1989-90 show 452,842 full-time and 265,589 part-time students at the undergraduate level with another 61,580 full-time and 39,033 part-time students at the graduate level.

The University Mission

Universities have undergone significant changes over the course of their 300-year history in Canada. Those changes are not only reflected in the number of institutions, the kinds of students they serve, or even the ways in which they are financed. There also have been fundamental changes in the way universities see themselves and their relationship to the wider community.

DIAGRAM: Higher Education Framework
DIAGRAMME: Cadre de L'Enseignement Superieur



Universities are still probably best known as places of learning. Like the medieval academy before them, they provide the environment and the resources for people to satisfy their curiosity about themselves and the world around them. They help students to express themselves and give form and substance to their creative energies. While these continue to be fundamental to the universities' mission, the image of the university as an ivory-towered retreat from the pressures and concerns of the real world should be consigned to mythology.

Canadian universities are an integral part of the larger community. They provide Canada and other countries with a source of highly skilled professionals. They are responsible for most of Canada's basic research capabilities and much of its applied research. They provide a wide range of services to communities in Canada and around the world. And each year they inject hundreds of millions of dollars into local economies.

Across the university community, institutional mission statements vary. They are influenced by the institution's history, its human and material resources, the mandate provided by its governors and its traditional role within the context of the surrounding community. But whether one looks at the large multiversity or the small liberal arts college, three principal areas of activity are characteristic of all institutions of higher learning—teaching, research and community service.

Teaching

University teaching is organized in courses, the vast majority of which may be used for credit toward a degree. While there is a great variation in formats, course instruction is generally offered in three lecture hours a week and the typical full-time undergraduate will be registered in five such courses a year. Most undergraduate programs, those leading to a bachelor's degree, require three or four years of study after high school or, in the case of Quebec, college.

Students in professional programs are usually required to follow a core curriculum, but are free to choose a number of elective courses. In non-professional programs in the arts and sciences especially, it is common for students to take courses in a number of subjects. In other words, the typical undergraduate degree in Canada and the content of the typical prerequisite years for first professional degrees are broad rather than specialized. While many universities require students to major or concentrate in a particular subject, rarely does such specialization account for more than half of the courses in a three or four-year program. Honors programs, on the other hand, are usually more concentrated and frequently require an additional year of study.

Graduate degrees and professional programs requiring a first degree in the arts or sciences are typically more specialized than general undergraduate programs. Many master's programs and virtually all doctoral programs require a dissertation.

Program offerings in the arts and sciences continue to be a central feature of the universities' teaching mission. In fact, these programs continue to have the broadest appeal. Studies in areas such as history, philosophy, mathematics, physics and literature introduce students to a process of analysis, critical thought and self-expression that can be applied to a broad range of human endeavors. These areas of traditional study also help students in professional programs develop the kind of perspective they will need to perform their jobs responsibly.

To keep abreast of an ever expanding stock of knowledge and the increasingly complex demands of the modern workplace, univer- sities have introduced specialized programs that were unforeseen only a generation ago—programs such as engineering agrology, paleobiology, fisheries engineering, urban land economics and applied kinesiology just to name a few.

In the 1800s it took the human race about 100 years to double its store of knowledge. Today that process takes just two years. This lightning-paced change is making professional up-grading more important than ever. Universities are responding to the special needs of returning students by devising special courses for those already in the professions.

In addition, universities are developing innovative ways of delivering their teaching services, increasing accessibility while serving an increasingly diverse clientele. Distance education programs that employ traditional forms of correspondence as well as recent advances in telecommunications are bringing university courses, and in some cases whole degree programs, to people living hundreds of kilometers away from university centres. In fact, three institutions, Télé-université in Quebec, Alberta's Athabasca University and British Columbia Open University, are entirely devoted to distance learning.

Through extension courses, universities are reaching out to the community in other ways, offering classes in suburban shopping malls, factories and government and corporate offices. And they are providing special programs to help prepare non-traditional students, members of minority groups and the learning disabled for the rigors of academic life.

Research

The university's teaching function is closely related to and supported by another principal area of activity—research. Universities are not merely repositories of knowledge. They help to create it and in so doing contribute to the store of knowledge that can be passed on to succeeding generations.

Universities are key players in the area of applied research. They are teaming up with the private sector to develop new products and processes and finding ways of improving existing ones. Universities are also heavily involved in technology transfer, helping corporations apply

the latest technological breakthroughs to their particular enterprise.

The benefits of applied research are fairly easy to understand, but the value of university research cannot be measured in terms of utility alone. Contributing to mankind's store of knowledge, uncovering the mysterious, unravelling the complex and shedding new light on the familiar, are activities that have value in and of themselves. It may never be possible to measure that value in material terms, but one need look no further than today's personal computer to see what can happen when knowledge is pursued for its own sake. If researchers in the early years of this century had not explored the field of theoretical mathematics—which at the time gave no indication of having practical application—the development of the computer might have been delayed by years or even decades.

Research at Canadian universities is funded through a variety of sources. Some of the support comes from the universities themselves either directly or through the provision of facilities, equipment and staff. It can also be funded by individuals, businesses or charitable foundations. Research of this kind is often linked to the particular needs of the private sponsor and is often undertaken by professors on a contractual basis.

But the largest source of direct support for university research in Canada is the federal government. Federal government funds for basic research are channeled through three granting councils—the Medical Research Council, the Social Sciences and Humanities Research Council and the Natural Sciences and Engineering Research Council. Funds are distributed on the advice of scholars through a peer review process. As well as giving research grants, the councils provide funds that are used to support travel (which enable scholars to conduct research in other parts of Canada or abroad), to support the operating costs of research centres, to maintain or purchase new equipment and to disseminate information about research results. In recent years the councils have targeted some of their research funds toward specific subjects in areas considered to be of national importance.

Federal research funding reaches universities as well through contract research undertaken on behalf of various government departments.

Provincial government support of university research has become a more significant factor in recent years. Eight provincial governments have set up organizations to promote research both within and outside the university community. These organizations maintain close links with the academic community and in some instances are either located on or near university campuses. In recent years, the universities, too, have become more involved in marketing research results. Many universities, for example, have set up special offices to promote their research efforts.

Community service

Community service, the third principal function of the university enterprise is perhaps best defined in anecdotal terms. Across the country, tens of thousands of Canadians rely on universities to provide such services as access to major library holdings, free legal assistance, low-cost dental care, emergency information, professional and career counselling, and business assistance. In addition, university teachers and researchers offer informed comment and analysis to news and public affairs programs, sharing their insights into contemporary issues and concerns with the larger community.

Canadian universities are also assuming an increasingly important profile in the world community. Through scholarly exchanges and overseas development projects, Canadian universities are helping to realize important social policy objectives while contributing to a broader understanding between our own people and those of other cultures.

Students

Students are among the most obvious beneficiaries of the university enterprise. An estimated 514,422 students were enrolled in full-time university studies in 1989-90 and of these an estimated 61,580 or 12 percent were at the graduate level. Of the estimated 304,622 part-time students, 39,033 were enrolled in graduate programs.

University enrolments in Canada have undergone significant increases since the 1950s. Preliminary full-time enrolment figures for 1989-90 compared with those of 1960-61 show an increase of 350 percent.

But as important as these changes have been to the development of universities in Canada, there have also been fundamental changes in the composition of the student body—changes which are likely to have important consequences not only for universities, but for society at large.

Women's share of the total student body has approximately doubled since 1960-61. In terms of numbers, however, there has been an eight-fold increase in the participation of women, from 27,615 in 1960-61 to 260,660 today. In addition to these increases, there have been substantial increases in the number of women enrolled in programs that have traditionally been dominated by men—law, medicine and journalism being notable examples. However, women are still under-represented in a number of disciplines.

The following table denotes 1989-90 full and part-time enrolment figures for Canadian universities and their related institutions. Note: Where a university is not listed, please refer to its separate entry.

University Enrolment 1989-90

	Undergraduate Full-time	Undergraduate Part-time	Graduate Full-time	Graduate Part-time	Total Full-time	Total Part-time
MEMORIAL UNIVERSITY OF NEWFOUNDLAND	9,772	3,113	748	563	10,520	3,676
SIR WILFRED GRENFELL COLLEGE	853	149	0	0	853	149
MEMORIAL OFF-CAMPUS CENTRES	261	522	0	1	261	523
UNIVERSITY OF PRINCE EDWARD ISLAND	2,310	842	22	8	2,332	850
ACADIA UNIVERSITY	3,247	548	70	123	3,317	671
ACADIA DIVINITY COLLEGE	67	38	14	8	81	46
ATLANTIC SCHOOL OF THEOLOGY	57	3	16	52	73	55
UNIVERSITE STE-ANNE	333	169	0	0	333	169
DALHOUSIE UNIVERSITY	6,993	1,142	1,619	565	8,612	1,707
MOUNT ST. VINCENT UNIVERSITY	2,076	1,255	45	144	2,121	1,399
NOVA SCOTIA COLLEGE OF ART AND DESIGN	474	48	13	2	487	50
TECHNICAL UNIVERSITY OF NS	784	50	254	53	1,038	103
ST FRANCIS XAVIER UNIVERSITY	2,237	344	77	59	2,314	403
COADY INTERNATIONAL INSTITUTE	49	0	0	0	49	0
SAINT MARY'S UNIVERSITY	4,153	2,014	140	491	4,293	2,505
UNIVERSITY OF KING'S COLLEGE	713	12	0	0	713	12
UNIVERSITY COLLEGE OF CAPE BRETON	1,445	862	0	0	1,445	862
NS AGRICULTURAL COLLEGE	459	29	0	0	459	29
NS AGRICULTURAL COLLEGE	371	271	0	0	371	271
MOUNT ALLISON UNIVERSITY	1,863	117	6	0	1,869	117
FREDERICTON BRANCH	6,489	1,349	566	428	7,055	1,777
ST. JOHN BRANCH	1,268	915	17	64	1,285	979
CENTRE UNIVERSITAIRE DE MONCTON	3,411	897	202	116	3,613	1,013
CENTRE UNIVERSITAIRE DE SHIPPIGAN	308	564	0	30	308	594
CENTRE UNIVERSITAIRE DE ST. LOUIS/MAILLET	557	641	0	27	557	668
ST THOMAS UNIVERSITY	1,358	300	0	0	1,358	300
BETHANY BIBLE COLLEGE	116	25	0	0	116	25
BISHOP'S UNIVERSITY	1,641	772	12	18	1,653	790
THOMAS MORE INSTITUTE FOR ADULT EDUCATION	0	523	0	0	0	523
McGILL INIVERSITY	14,783	5,736	4,949	2,661	19,732	8,397
UNIVERSITE DE MONTREAL	14,916	18,647	3,963	4,164	18,879	22,811
ECOLE POLYTECHNIQUE	3,256	910	570	508	3,826	1,418
ECOLE DES HAUTES ETUDES COMMERCIALES	2,616	5,799	424	925	3,040	6,724
UNIV. DU QUE. A CHICHOUTIMI	2,613	4,233	183	343	2,796	4,576
UNIV. DU QUE. A MONTREAL	13,918	19,188	1,248	1,999	15,166	21,187
UNIV. DU QUE. A ABITIBI-TEMISCAMINGUE	626	1,638	21	49	647	1,687
UNIV. DU QUE. A TROIS-RIVIERES	4,507	5,164	248	495	4,755	5,659
UNIV. DU QUE. A HULL	1,672	3,525	22	225	1,694	3,750
ECOLE NATIONALE D'ADMINISRATION PUBLIQUE	0	0	42	724	42	724
INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE	0	0	63	148	63	148
UNIV. DU QUE. A RIMOUSKI	1,272	4,376	118	176	1,390	4,552
ECOLE DE TECHNOLOGIE SUPERIEURE	723	878	0	0	723	878
TELE-UNIVERSITE	95	7,267	0	0	95	7,267
INSITUIT ARMAND-FRAPPIER	0	0	18	71	18	71
UNIVERSITE LAVAL	20,403	9,612	3,373	2,428	23,776	12,040
UNIVERSITE DE SHERBROOKE	8,352	5,436	1,324	1,469	9,676	6,905
CONCORDIA UNIVERSITY	11,546	11,036	1,930	1,300	13,476	12,336
COLLEGE MILITAIRE ROYAL DE ST-JEAN	255	0	0	0	255	0
BROCK UNIVERSITY	4,915	2,516	83	638	4,998	3,154
BROCK COLLEGE OF EDUCATION	296	1,472	0	0	296	1,472
CARLETON UNIVERSITY	12,643	4,537	1,322	1,119	13,965	5,656
UNIVERSITY OF GUELPH	10,618	1,926	1,189	211	11,807	2,137
LAKEHEAD UNIVERSITY	3,665	2,021	148	118	3,813	2,139
LAURENTIAN UNIVERSITY	4,239	2,446	76	93	4,315	2,539
ALGOMA UNIVERSITY COLLEGE	316	558	0	0	316	558
NIPISSING UNIVERSITY COLLEGE	824	1,223	0	0	824	1,223
LE COLLEGE UNIVERSITE DE HEARST	48	303	0	0	48	303
McMASTER UNIVERSITY	10,695	3,114	1,863	751	12,558	3,865
McMASTER DIVINITY COLLEGE	40	55	0	0	40	55
UNIVERSITY OF OTTAWA	12,717	7,190	1,938	1,834	14,655	9,024
UNIVERSITE SAINT-PAUL	178	398	182	95	360	493
QUEEN'S UNIVERSITY	10,613	3,612	2,137	530	12,750	4,142
QUEEN'S THEOLOGICAL COLLEGE	37	38	1	14	38	52
UNIVERSITY OF TORONTO	29,581	11,784	6,691	2,074	36,272	13,858
ST AUGUSTINE'S COLLEGE	60	17	0	0	60	17
ST. MICHAEL'S COLLEGE (THEOLOGY ONLY)	67	113	70	31	137	144

University Enrolment 1989-90

	Undergraduate Full-time	Undergraduate Part-time	Graduate Full-time	Graduate Part-time	Total Full-time	Total Part-time
TRINITY COLLEGE (THEOLOGY ONLY)	55	37	34	6	89	43
KNOX COLLEGE	65	16	12	13	77	29
WYNCLIFFE COLLEGE	59	35	27	25	86	6
EMMANUEL COLLEGE	95	71	20	39	115	110
REGIS COLLEGE	86	48	33	19	119	67
ONTARIO INST. FOR STUDIES IN EDUCATION	1	34	787	1,545	788	1,579
TRENT UNIVERSITY	3,546	1,551	72	6	3,618	1,557
UNIVERSITY OF WATERLOO	14,270	5,674	1,536	400	15,806	6,074
UNIVERSITY OF ST JEROME'S COLLEGE	871	184	0	0	871	184
RENISON COLLEGE	260	433	0	0	260	43
UNIVERSITY OF WESTERN ONTARIO	16,478	5,296	2,426	685	18,904	5,981
BRESCIA COLLEGE	696	117	0	0	696	117
HURON COLLEGE	768	53	0	0	768	53
KING'S COLLEGE	1,580	349	0	0	1,580	349
UNIVERSITY OF WINDSOR	8,986	4,944	650	291	9,636	5,235
YORK UNIVERSITY	17,726	7,413	1,821	1,528	19,547	8,941
ATKINSON COLLEGE	947	7,188	0	0	947	7,188
GLENDON COLLEGE	1,407	316	0	0	1,407	316
WILFRID LAURIER UNIVERSITY	4,958	2,801	327	277	5,285	3,078
WATERLOO LUTHERAN SEMINARY	0	0	55	105	55	105
ROYAL MILITARY COLLEGE	769	0	63	35	832	35
COLLEGE DOMINICAIN DE PHILO. ET DE THEOLOGY	45	86	16	8	61	94
COLLEGE DOMINICAIN DE PHILO. ET DE THEOLOGY (MONTREAL)	23	285	0	0	23	285
ONTARIO BIBLE COLLEGE	285	50	3	1	288	51
ONTARIO THEOLOGICAL SEMINARY	103	98	63	121	166	219
RYERSON POLYTECHNICAL INST	8,320	9,672	0	0	8,920	9,672
REDEEMER COLLEGE	331	35	0	0	331	35
BRANDON UNIVERSITY	1,375	1,748	0	3	1,375	1,751
CANADIAN NAZARENE COLLEGE	65	70	2	0	67	70
UNIVERSITY OF MANITOBA	12,747	7,220	2,343	1,516	15,090	8,736
COLLEGE DE SAINT BONIFACE	424	185	1	81	425	266
ST ANDREW'S COLLEGE	12	19	0	0	12	19
MENNONITE BRETHERN COLLEGE OF ARTS	93	47	1	0	94	47
UNIVERSITY OF WINNIPEG	2,262	4,732	27	29	2,289	4,761
CANADIAN MENNONITE BIBLE COLLEGE	165	0	0	0	165	0
UNIVERSITY OF SASKATCHEWAN	11,740	4,269	1,220	402	12,960	4,671
COLLEGE OF EMMANUEL AND ST CHAD	37	0	0	0	37	0
LUTHERAN THEOLOGICAL SEMINARY	39	4	7	0	46	4
ST ANDREW'S COLLEGE	38	0	3	7	41	7
ST THOMAS MORE COLLEGE	906	97	0	0	906	97
ST PETER'S COLLEGE	89	4	0	0	89	4
UNIVERSITY OF REGINA	4,651	3,528	131	334	4,782	3,862
CAMPION COLLEGE	729	129	0	0	729	129
LUTHER COLLEGE	588	79	0	0	588	79
SASKATCHEWAN INDIAN COLLEGE	362	65	0	0	362	65
CANADIAN BIBLE COLLEGE	339	102	0	0	339	102
CANADIAN THEOLOGICAL COLLEGE	88	29	22	7	110	36
UNIVERSITY OF ALBERTA	21,669	3,287	3,349	1,186	25,018	4,473
UNIVERSITY OF CALGARY	15,279	3,585	2,024	955	17,303	4,540
CANADIAN UNION COLLEGE	239	22	0	0	239	22
UNIVERSITY OF LETHBRIDGE	3,031	396	9	22	3,040	418
NEWMAN THEOLOGICAL COLLEGE	30	80	6	6	36	86
ATHABASCA UNIVERSITY	0	7,456	0	0	0	7,456
CAMROSE LUTHERAN COLLEGE	765	38	0	0	765	38
THE KING'S COLLEGE	292	25	0	0	292	25
CONCORDIA COLLEGE	1,042	57	0	0	1,042	57
UNIVERSITY OF BRITISH COLUMBIA	17,810	5,205	3,945	1,033	21,755	6,238
ROYAL ROADS MILITARY COLLEGE	252	13	9	0	261	13
NORTHWEST BABTIST THEOLOGICAL COLLEGE	92	11	0	0	92	11
SEMINARY OF CHRIST THE KING	38	0	0	0	38	0
SIMON FRASER UNIVERSITY	7,026	7,053	1,391	109	8,417	7,162
UNIVERSITY OF VICTORIA	7,280	4,743	1,080	260	8,360	5,003
VANCOUVER SCHOOL OF THEOLOGY	75	20	2	5	77	25
TRINITY WESTERN UNIVERSITY	1,073	203	46	29	1,119	232
Canada	452,842	265,589	61,580	39,033	514,422	304,622

+ Source: Statistics Canada

With today's emphasis on lifelong learning, universities have also experienced a marked increase in the number of students drawn from outside the 18-24 year-old age cohort.

In 1970-71, 17.9 percent of full-time university students were over the age of 24. By 1989-90, that figure had jumped to 24.2 percent.

The vast majority of Canadian undergraduates attend universities in their home provinces. In 1989-90, for example, only about nine percent of Canadian undergraduates were studying at out-of-province institutions. The picture changes somewhat at the graduate level where in 1987-88, 18 percent of full-time students were enrolled in institutions outside their home province.

The number of international students studying, both full-time and part-time, at Canadian universities declined in the mid-1980's, dropping from a high of 35,365 in 1983-84, to 27,117 in 1987-88. By 1989-90 the number had increased to 32,144. Full-time and part-time visa students accounted for roughly 3.3 percent of total university enrolment in 1989-90. The decline in the number of international students was perhaps attributable to the imposition of international student fees in many provinces. Only Newfoundland and Manitoba have no additional tuition fees for international students. (In Saskatchewan, only international students attending the University of Regina pay a surcharge of 50 per cent). Fees for undergraduate visa students in an arts and science program can run as high as $5,900.

Tuition fees in Canada vary from province to province, institution to institution and program to program. In 1990-91, tuition fees in Quebec, ranged from $820 to $1,188 annually for full-time study at the undergraduate level and from $680 to $1,012 at the graduate level. Outside Quebec, undergraduate tuition fees ranged from about $1,200 to over $5,000, but fees in the majority of institutions were in the much narrower range of $1,500 to $2,000. At the graduate level, tuition fees ranged from $900 to $2,600.

The table below shows 1990-91 university tuition fees for undergraduate programs in arts and science and for graduate programs. As tuition fees are subject to change without notice, students are advised to contact the registrar at the institution of interest to them for more detailed and up-to-date information. Note: Where a university is not listed, please refer to its separate entry.

While many universities offer a variety of scholarships, bursaries and loans, the mainstay of student finance in Canada is the federal-provincial loan and bursary plans. Canada Student Loans are administered by nine provincial governments and the two territories. The Quebec government withdrew from the federal plan in 1964 and

Tuition Fees for Full-time Students at Canadian Universities, 1990-91

No.	Province and Institution	Undergraduate Arts	Undergraduate Science	Graduate *
	Newfoundland - Terre-Neuve			
1	Memorial University of Newfoundland	1,344	1,344	872-1,082
	Prince Edward Island - Ile-du-Prince-Édouard			
2	Prince Edward Island, University of	1,840	1,840	2,238
	Nova Scotia - Nouvelle-Écosse			
3	Acadia University	2,125	2,125	2,180
4	Cape Breton, University College of	1,890	1,890	-
5	Dalhousie University	1,770	1,770	1,895-2,200
6	King's College, University of	1,775-2,125	1,775	-
7	Mount Saint Vincent University	1,915	1,915	1,488-2,480
8	Nova Scotia Agricultural College	-	-	-
9	Nova Scotia College of Art and Design	2,066	-	1,894-2,582
10	Sainte-Anne, Universit_)__	1,885	1,885	-
11	St. Francis Xavier University	2,100	2,100	2,100
12	Saint Mary's University	1,950	1,950	1,950
13	Technical University of Nova Scotia	-	1,900	1,900
	New Brunswick - Nouveau-Brunswick			
14	Moncton, Université de	1,820	1,820	1,820
15	Mount Allison University	2,135	2,135	300
16	New Brunswick, University of	1,975	1,975	1,730-2,595
17	St. Thomas University	1,710	-	-
	Québec			
18	Bishop's University	900	940	900
19	Concordia University	880	880	880
20	Laval, Université	900	950	22
21	McGill University	1,012	1,012	1,012
22	Montréal, Université de	968	968	980
23	Québec, Université du	850	850	680-850
24	Sherbrooke, Université de	820	820	820
	Ontario			
25	Brock University	1,640	1,640	247-2,200
26	Carleton University	1,638	1,638	1,646
27	Collège dominicain de philosophie et de théologie	1,144	-	1,144
28	Guelph, University of	1,638	1,638	1,330
29	Lakehead University	1,638	1,638	1,823
30	Laurentian University - Laurentienne, Université	1,639	1,639	1,783
31	McMaster University	1,637	1,637	2,050
32	Ottawa, Université d' - Ottawa, University of	1,638	1,638	1,645
33	Queen's University	1,638	1,638	909-2,271
34	Ryerson Polytechnical Institute	1,639	-	-
35	Toronto, University of	1,640	1,640	2,058
36	Trent University	1,639	1,639	2,061
37	Waterloo, University of	1,640-2,256	1,640-2,256	2,037
38	Western Ontario, University of	1,639	1,639	1,646
39	Wilfrid Laurier University	1,637	1,637	1,368-1,644
40	Windsor, University of	1,639	1,639	918-1,836
41	York University	1,638	1,638	1,913
	Manitoba			
42	Brandon University	1,362	1,362	1,490-2,007
43	Manitoba, University of (6)	1,467	1,610	1,819
44	Winnipeg, University of (6)	1,450	1,450	-
45	Collège universitaire de Saint-Boniface	1,458	1,698	-
	Saskatchewan			
46	Regina, University of	1,624	1,624	1,624
47	Saskatchewan, University of	1,478	1,478	1,606
	Alberta			
48	Alberta, University of	1,229	1,229	1,495-2,290
49	Calgary, University of	1,168	1,168	1,461
50	Camrose Lutheran College	2,700	2,700	-
51	Concordia College	2,245	2,245	-
52	King's College,The	2,850	2,850	-
53	Lethbridge,University of	1,216	1,216	1,424
	British Columbia - Colombie-Britannique			
54	British Columbia, University of	1,680-2,016	1,680-2,016	1,679
55	Seminary of Christ the King	1,900	-	-
56	Simon Fraser University	1,650	1,650	1,644-1,986
57	Trinity Western University	5,350	5,350	-
58	Victoria, University of	1,620	1,620	2,070

* - Fees cited may be per year, per term, per course or per half course an therefore are not comparable.

For more information see tables and footnotes in Tuition and Living Accommodation Costs, Statistics Canada, Cataloque 81-219.

+ Source: Statistics Canada

offers its own. It receives an annual lump sum from the federal government.

In 1989-90, some $701 million were allocated under the federal plan. The provinces and territories that participate in the federal plan set their own standards and establish regulations governing the amount of money a student must borrow under the plan before becoming eligible for provincial assistance. Eligible full-time students can receive a loan of up to $105 per week for each week of study. Part-time students can carry an outstanding principal of up to $2,500 to cover such costs as books, learning materials and transportation.

Full-time students are usually required to begin repaying their loans six months after leaving their studies. Part-time students are required to begin repaying loans one month after the loans are issued. The federal government recently introduced an interest relief program that suspends interest payments for debtors who are temporarily disabled or unable to find work.

For studies at the master's level, aid is available through federal and provincial loan and bursary programs and these have recently been extended to include part-time students. In addition, corporations, governments, associations and the universities themselves offer a wide range of scholarships, although many of these are restricted to specific fields of study. For doctoral studies, there are fellowships awarded by the research granting councils and a small number of relatively specialized scholarships given by various government departments for research in areas in which they have a particular interest. Most universities that offer doctoral programs provide their doctoral scholars with teaching assistantships.

A number of studies indicate that university fees, or the difficulty of paying them, are not in themselves a major factor in the under-representation of lower socio-economic groups and minorities within the universities. Tuition fees, after all, represent only a fraction of the costs that individuals incur while studying at university. While student aid programs are intended to increase accessibility for all Canadians, the fear of beginning a working life with a large outstanding debt may well deter those unaccustomed to credit from furthering their studies.

Academic Staff

Virtually all Canadian universities use a system of four academic ranks to classify their teaching staff. In ascending order, the ranks are lecturer, assistant professor, associate professor and professor.

Appointments to the rank of lecturer are usually for one year and candidates are usually expected to have at least a master's degree. Most initial appointments, however, are to the rank of assistant professor and a doctoral degree is normally a prerequisite. Faculty members without this qualification are expected to continue their studies toward the degree.

The specific criteria used to determine the faculty member's progress through the ranks vary from institution to institution, but they are usually based on the candidate's record of teaching, research and service—either to the institution or the larger community. The same applies to tenure. In simple terms, tenure is a contractual right to indefinite employment. It is comparable to similar protection accorded to employees in both the public and private sectors, although the

Provincial Authorities Canada Student Loans Program
Contact your province of residence for details

Newfoundland
Student Aid Division
Department of Education
Confederation Bldg.
P.O. Box 8700
St. John's, Newfoundland
A1B 4J6
Tel.(709) 576-4235

Prince Edward Island
Student Aid Division
Department of Education
P.O. Box 2000
Charlottetown
Prince Edward Island
C1A 7N8
Tel.(902) 368-4640

Nova Scotia
Student Aid Division
Department of Education
P.O. Box 578
Halifax, Nova Scotia
B3J 2S9
Tel.(902) 424-7737

New Brunswick
Student Aid Division
Department of Education
P.O. Box 6000
Fredericton, New Brunswick
E3B 5H1
Tel.(506) 453-2577

Quebec
Students Financial Aid*
Department of Education
Government of the Province of Quebec
Quebec City, Quebec
G1R 5A5

* The province of Québec has chosen to operate its own student assistance plan with terms and conditions similar CSL.

Ontario
Student Awards Branch Minstry of Colleges and Universities
Mowat Block, Queen's Park
Toronto, Ontario
M7A 1L2
Tel.(416) 965-5241

Manitoba
Student Aid Branch
Department of Education
P.O. Box 6
693 Taylor Avenue
Winnipag, Manitoba
R3M 3T9
Tel.(204) 945-6322 or
Toll free within Manitoba
1-800-782-0316

Saskatchewan
Student Financial
Services Branch
Department of Advanced
Education and Manpower
1855 Victoria Avenue
Regina, Saskatchewan
S4P 3V7
Tel.(306) 787-5620

Alberta
Student Finance Board
Department of Advanced
Education
10th Floor, Baker Center
10025 - 106 Street
Edmonton, Alberta
T5J 1G4
Tel.(403) 427-2740

British Columbia
Student Service Branch
Department of Advanced
Education & Job Training
Parliament Buildings
Victoria, British Columbia
V8V 1X4
Tel.(604) 387-6100

Yukon Territory
The Students Financial
Assistance Committee
Department of Education
Government of the Yukon
P.O. Box 2703
Whitehorse, Yukon Territory
Y1A 2C6
Tel.(403) 667-5141

Northwest Territories
Student Services
Department of Advanced Education
Government of the Northwest Territories
Yellowknife, Northwest Territories
X1A 2L9
Tel.(403) 873-7194

Source: Department of the Secretary of State of Canada.

probationary period required to secure this protection is much longer in the university than in other employment settings. Tenure is usually acquired after a period of three to five years service and only after a thorough peer assessment and administrative review.

The employment of tenured faculty can be terminated for cause—incompetence, misconduct, redundancy or financial exigency. Because universities are subject to administrative law, cases of wrongful dismissal usually result in reinstatement rather than an award of damages. Public sector and unionized private sector employees have similar protection.

In many universities the terms and conditions of academic employ-ment, including the criteria used to determine promotion and tenure, are subject to negotiation between the institution's administration and the faculty union or association. Faculty unions are a comparatively recent development in Canada. The first was established in 1970 and the first collective agreement was signed in 1974. The province of British Columbia forbids certification of faculty unions.

University teaching staff usually form a majority on the university's senate—the governing body which normally oversees the institution's academic affairs. Faculty representatives also sit on the board of governors. Faculty members of all ranks play a significant part in university administration through an extensive system of committees.

Academic administrative officers such as deans and department heads are appointed on the recommendation of the president of the university, but at most institutions faculty play a major role in advising on such appointments and in some instances these officers are elected by the appropriate faculty or department.

In 1989-90 there were 36,700 full-time faculty at Canadian universities with about 70 per cent of the total serving in the ranks of associate professor and professor. The average age of the university teacher was jus over 46 years. In 1970-71 there were 24,600 full-time faculty of which only 48 percent held ranks of associate professor or above. The average age of faculty then was 39 years.

Even though university enrolments continued to grow during the 1970s and 1980s, albeit at a somewhat slower rate than in the 1960s, the growth in the number of full-time faculty did not keep pace with corresponding increases in enrolment.

University Governance and Administration

Provincial legislatures are responsible for the civil legislation that has established universities or made changes to existing ones. The exceptions are the federal military colleges and a few institutions originally established by Royal charter.

A two-tier or bicameral system of governance is in effect at all but three universities in Canada. Once an institution is legally chartered, its corporate powers are vested in a governing body, generally known as the board of governors. The boards of most universities usually comprise representatives of government, the private sector, university administration, faculty, undergraduate and graduate student associations and alumni. Their function is to oversee the universities' financial operations and to maintain liaison with governments and the general public.

The university chancellor is the titular head of the institution. He or she may be elected, appointed or serve in the post in an ex-officio capacity, depending on the university charter. The post is honorary. Executive authority is vested in the office of president, rector or principal.

The responsibility for all academic matters is, as a rule, assigned to the senate. Most senates are composed mainly of representatives of faculty and academic administrators. Students are also represented on the senates of most institutions. The president of the institution is usually an ex-officio member of the senate and, at a number of institutions, serves as its chairman. Senates are responsible for admissions, course offerings, program development, academic discipline and the awarding of degrees.

Three universities—Athabasca, Laval and Toronto—have adopted a unicameral system of government, that is, a single body incor- porating the powers of both a board and a senate.

In addition to the president, senior university administrators include: vice-presidents, each of whom is usually responsible for a particular area of university life—academic matters, adminis- tration, finance, research and community relations; the registrar, who may act as secretary to the board or senate and whose office is responsible for student admissions, records and the university timetable; the business officer, often called comptroller or bursar, who is responsible for the day-to-day financial operation of the institution including the collection of fees; and deans and department heads who administer faculty and departmental affairs.

Other administrative posts include the admissions officer, deans of men and women, librarian, development officer, information or public relations officer, research administrator and institutional research officer.

University chief executives have come together in a variety of national, regional and provincial associations to promote cooperation among their institutions and to formulate positions on policy issues of common concern. At the regional and provincial level these organizations are the Association of Atlantic Universities, the Conference of Rectors and Principals of Quebec Universities, the Council of Ontario Universities and the Council of Western

Canadian University Presidents. At the national level is the 89-member Association of Universities and Colleges of Canada.

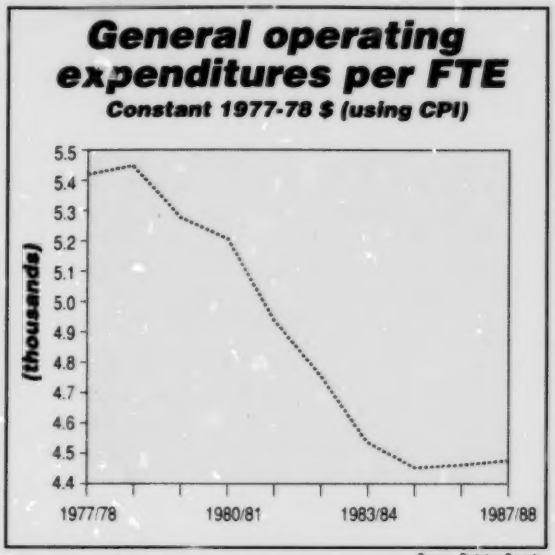
There are also parallel organizations representing both faculty and students at the national, provincial and institutional levels. Student and faculty associations exist on virtually all campuses. The national organization of university faculty is the Canadian Association of University Teachers. Students are represented at the national level by the Canadian Federation of Students.

A host of other associations facilitate cooperation and the exchange of ideas and information among university administrators responsible for the various academic and administrative divisions of the university operation.

These consortia and scores of others between and among institutions have been instrumental in helping universities achieve a high degree of efficiency in a broad range of activities while avoiding unnecessary competition and duplication of services. Examples include cooperative purchasing and inventory management systems, reciprocal property insurance, computer and communications networks, cooperative program planning and delivery and cooperative research and development initiatives.

Universities in Canada have traditionally enjoyed a considerable degree of autonomy. In fact, institutional autonomy is generally seen as fundamental to the universities' ability to advance the interests of civilization while responding to the immediate needs of contemporary society. But as public institutions, various aspects of the university enterprise have come under the purview of governmental and quasi-governmental bodies. An example is the Maritime Provinces Higher Education Commission which has authority over the introduction of new programs at universities in New Brunswick, Nova Scotia and Prince Edward Island. The Ontario Council on Graduate Studies has similar authority over the introduction of new graduate programs in Ontario. In Manitoba, the Universities Grants Commission reviews and provides written approval for any new or expanded service, faculty or program of studies involving moneys at the disposal of the commission.

Government policy decisions have an impact on any number of university administrative and academic functions—from the hiring and retiring of teaching staff, to the nature and direction of university-based research, to the ability of the university to attract private donations. While it is impossible to generalize about the nature and extent of university-government relations, the following chart illustrates the main features of those relationships. It cannot, however, describe their complexity or the important differences one finds among provinces and regions.



Source: Statistics Canada

- CPI - Consumer Price Index (Used in the absence of a nationally recognized higher education price index, as and indication of change in real terms.)
- Expressed in constant 1977-78 dollars, general operating expenditures per full-time equivalent student (FTE) have declined form $5,426 in 1977-78 to $4,492 in 1988-89, a decline of 17.2%.

However, virtually all of that decline took place between 1978-79 and 1984-85, since then real expenditures per FTE have remained at about same level.

University Finance

Canadian universities derive their income from a number of sources including government operating and research grants, student fees, private giving, the sale of services and investments. But by far the most important source of income is government.

The British North America Act which created and broadly defined Canada as a federal state assigned jurisdiction over education to the provinces. However, the federal government began making direct subsidies to the universities following World War II when returning veterans effectively doubled university enrolments in just two years between 1945 and 1947. In 1952, following the recommendations of a royal commission on the arts, letters and sciences, the federal government began to distribute grants in aid of universities directly to the institutions.

In 1966 the federal government ceased making direct subsidies to the universities except in aid of the military colleges and research. Instead, the provinces received fiscal transfers from the federal government to meet 50 percent of provincial expenditures on universities. In 1972, amendments to the Federal-Provincial Fiscal Arrangements Act set a yearly maximum of 15 percent on the rate of increase of the federal contribution.

Beginning in 1977 and continuing today the Federal-Provincial Fiscal Arrangements and Established Programs Financing Act has provided for the transfer of personal and corporate income tax points and cash grants to the

provinces to support health and postsecondary education programs within their jurisdictions. According to the Department of Finance estimates, the combined value of tax and cash transfers to the provinces for postsecondary education in 1989-90 amounted to around $5.7 billion.

In 1988-89 total income in all Canadian universities amounted to some $8.5 billion, including approximately $5,547 million in total operating income, an additional $1,194 million in sponsored research and $522 million in capital revenue.

Between 1977-78 and 1988-89, university general operating expenditures per full-time equivalent student increased from $5,426 to $9,513. However, when expressed in constant 1977-78 dollars, there was actually a decline of 17.2 percent, from $5,426 to $4,492.

The University Tradition in Canada: An Enduring Mission

Universities in Canada, like universities around the world, are heirs to a tradition dating back more than 800 years. Since its beginnings in medieval Europe, the university has proven itself to be among our civilization's oldest social institutions. While adaptable, it has also shown a remarkable ability to remain true to its original purpose—the liberation of minds. Today, its researchers, standing at the frontiers of knowledge in many fields, are among the vanguard of the new era.

Taken together, universities in Canada reflect this country's unique cultural, social, religious and political mosaic. They serve diverse constituencies—our indigenous peoples, our two founding cultures and the many other ethnic groups who have come together to form the Canadian family. Their governing bodies represent interests that are both public and private, religious and secular, English and French. Their program offerings respond to national and provincial priorities as well as those of local communities. And their mission statements affirm their commitment to balance the growing demand for specialized programs and applied research with the objectives that have long been the hallmark of Western civilization's intellectual heritage. Those objectives—the freedom to pursue knowledge in all fields, to explore the new, to challenge the old, to ask questions and to offer answers—are founded on the premise that material gain is not, nor should it ever be, the sole motivation for expressing creative genius and satisfying human curiosity.

Mark Giberson
August 1988

Note: Revised March 1991 with author's permission.

At the time this article was originally produced, Mr. Giberson was an information officer at the AUCC. He is now the director of university relations at St. Thomas University.

Canadian Universities: A Students' Guide

How do I choose?

Catherine chose her university for one reason: all her friends were going there.

The choice was harder for Louise. She knew that she wanted to study biology—and that she wanted to live away from home for a few years—but she wasn't sure which university would be best.

And for David, there was no choice. A single parent with a full-time job and two young children, David enrolled at his local university, taking evening courses on a part-time basis to upgrade his skills.

People choose universities for a variety of reasons. Some are motivated by the opinions of their friends—opinions which may not always be based on fact. Others follow in their parents' footsteps or take the advice of a teacher or counsellor. Still others choose on the basis of location, picking a campus near their home or in a city they like.

Choosing a university is not a decision to be made lightly. In fact, it is probably one of the most important decisions you'll make in your life. That's why it's important to take a careful look at all options and to match your interests and needs with the programs, services and facilities offered by the university.

Canadian universities offer a wide range of choices for prospective students. Whatever you are looking for, it's likely that you'll find a university in Canada to suit your needs.

Eighty-nine universities and university-level colleges are currently members of the Association of Universities and Colleges of Canada. And each institution offers a different experience.

Some university campuses stretch over dozens of downtown city blocks, surrounded by the bustle of urban life. Others have small pastoral campuses in tranquil countryside settings.

From the largest, offering a complete range of undergraduate, graduate and professional programs, to small liberal arts colleges or those specializing in fields such as the fine arts, engineering or business, Canadian universities offer a wealth of opportunities and a range of choices. The number of options, though, can make choosing the "right" university a difficult decision.

Here are a few guidelines that can help would-be university students make that choice:

- Decide first what you want to study. A look at the final section of this directory ("Degree, diploma and certificate programs") will help you make that decision. This section lists the programs available at Canadian universities and indicates which universities offer these programs.

- Take a look at your finances. Decide how much you can afford to spend on tuition, living accommodation, books, etc. If your finances are limited, you may want to study closer to home. This is also the time to explore federal and provincial student aid programs and opportunities for scholarships.

- Think about how you picture the ideal university experience. Make sure that you match your needs to the type of university you choose. Do you like busy downtown locations, surrounded by art galleries, museums and restaurants? Or would you prefer a mainly residential campus with a heavy emphasis on student activities? Are athletics or other extracurricular activities important to you? Do you want to live in an on-campus residence or would you prefer off-campus living? If you need or want special services or programs—such as day care, bilingual courses or facilities for disabled students—make sure the university you choose has these.

- If at all possible, visit the universities you are considering before making your final choice. Talk to students, professors and graduates to make sure the university you pick will serve you well.

Who studies at Canadian universities?

It is difficult to find an "average" student. In the past, university students were predominantly between the ages of 18 and 24, male and from financially comfortable families. Today, although some students still fit the traditional mold, much has changed.

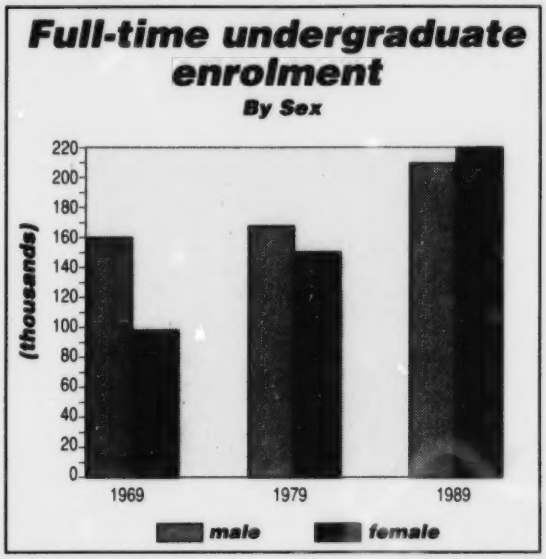
More women than men are graduating from Canadian universities today.

Many students choose to study part-time. Whether they are single parents supporting a family and taking university courses in the evenings or professionals who are returning to university to upgrade their skills, the interest in part-time study is on the increase. To meet the needs of these part-time students, universities now offer more evening, summer and intersession courses.

There are growing numbers of older students on campuses. In recent years, universities have made moves to open their campuses to senior citizens. At most universities across Canada, tuition fees are waived or reduced for those over the age of 65.

A special summer program also brings a number of senior citizens and older Canadians to university campuses each year. The Elderhostel program is a network of colleges and universities in North America and Europe. It provides short, low-cost residential

programs for people over 60 and their spouses or companions. The courses, which generally last about a week, are taught by regular faculty members; topics can range from the study of volcanoes to wine-tasting tours in Europe. More than 50 universities across the country now offer Elderhostel programs.



Source: Statistics Canada

- Total full-time undergraduate enrolment has increased from 264,000 in 1969 to 453,000 in 199.
- That is an increase of 72% over the 20 year period.
- Enrolments increased by about 25% during the 1970s or 2.2% per year.
- Enrolments increased by about 38% during the 1980s or 3.3% per year.
- This growth was unevenly distributed between males and females.
- For example the male/female split was 64/36 in 1969, 55:45 in 1979 and 48:52 in 1989.

The number of women enrolled surpassed men in1987 while they made up about one third of full-time undergraduates in the late 1960s.

What can I study?

From accounting to zoology, Canadian universities offer programs to meet virtually every interest.

Courses in the humanities, social sciences, physical and applied sciences are available at all but a few very specialized institutions. However, professional programs such as medicine, law or architecture as well as postgraduate studies at the master's or PhD level, are not available everywhere.

At most universities, the academic year is divided into two terms or sessions, running from September to December and from January to early May. The majority of students are admitted to the September term. Intersession and summer courses are also available at many institutions. A few universities operate on a formal trimester system, with three terms of equal length and admission possible to any of the three terms.

At all universities, there is usually a short break (about 10 to 15 days) over Christmas. Some universities also suspend classes for a one-week period, usually in February, called "reading week" or "study break".

A number of universities offer cooperative or work-study programs, which allow students to combine academic study with work experience by spending one term on campus followed by another term working full-time at a job related to their field of study.

Many universities offer special services and courses for native students. For example, Brandon University has a special program called "BUILD" which prepares teachers of native ancestry to become school principals in northern Manitoba. Lakehead University offers a special nine-month course to provide native students with the skills and academic preparation needed to complete the university's four-year nursing degree program; Dalhousie University has a special transition year program open to educationally disadvantaged native and black students to help them prepare for undergraduate degree programs. The Saskatchewan Indian Federated College in Regina is an Indian-controlled postsecondary institution which offers bicultural programs such as a bachelor of Indian social work or a certificate in Indian health studies.

Not all university courses offered in Canada are taught on campus. At times, professors travel to communities beyond their campuses to ensure that a university education is more widely available to Canadians.

Distance education—which involves the physical separation of teacher and student—is becoming an increasingly popular option. Universities use methods such as correspondence courses, audiotapes, computer links, cable television broadcasts or satellite hook-ups to reach a growing body of students.

For an overview of the programs offered by each university, consult the institution's listing in this directory.

What's student life like?

Canadian universities offer a range of special activities or services, providing an extra dimension to enrich the university experience. Whether you're interested in joining the university hockey team or trying your hand as a late-night disk jockey at a student-run radio station, you'll likely find a variety of facilities at most universities.

For more information about life on individual campuses, see the section on "Student life and services" in the university listings in this directory.

Almost all universities provide some accommodation for students, either on or near campus in residence halls, townhouses or apartments, or student-run cooperative housing. In most cases, institutions will also help students find accommodation off-campus.

At smaller universities, many students live on campus in university-run residences. Often, first-year students are

encouraged to live in residence and many universities give priority to incoming first-year students when assigning residence spaces.

As well as providing a room and meals, university residences often offer educational or social programs that complement the students' academic work.

University campuses usually have a number of cafeterias, snack bars, dining halls and pubs for both residence and off-campus students. As well, bookstores, banks and general stores selling items such as paper, magazines and snacks can be found on most campuses.

Athletics are an important focus of student life at some campuses. Many universities have athletic centres with facilities such as swimming pools, squash courts or weightlifting rooms. Students can take part in recreational or competitive sports, with many universities fielding both intramural and interuniversity teams in sports such as football, hockey or basketball.

The cost of taking part in athletics is usually paid for by a supplemental charge to students' tuition fees. At Canada's three military colleges, sports are a compulsory part of the program.

You can find a campus club or association for almost every interest at most universities, ranging from international students' groups to political and religious societies to ski or drama clubs. Most universities also have student-run newspapers and some are home to campus radio stations.

The focus of student activities at many institutions is through the student union or association. As well as staging social and cultural events, student unions provide a focus for lobbying and political activity to improve student life in general.

Students are represented nationally by the Canadian Federation of Students (CFS), which was formed in 1981 and grew out of a 60-year history of Canadian student organizations. CFS represents postsecondary students in all provinces except Quebec. (In Quebec students are represented by the Association nationale des étudiants et étudiantes du Québec (ANEEQ). According to CFS, the organization was built to give voice to student views and to work toward the goal of "a universally accessible first-rate" Canadian postsecondary system. In addition to its political activities, CFS provides a number of national services including a student travel agency, a work abroad program, a system of national retail discounts for students and an electronic communications network for campus groups.

What about special services?

A number of special services are available at Canadian universities to help make student life easier.

Many universities provide day care centres for the children of students and faculty members. Counselling services are available to help solve academic or personal problems or to assist with job placement. Health services, usually provided by doctors, nurses and psychiatrists are also common. Many universities, including those that are non-denominational, have a chaplain and often a chapel on campus.

In recent years, Canadian universities have shown significant progress in making their campuses more accessible to disabled students. Renovations such as ramps and curb cuts allow wheelchairs to travel more easily on campus. Other services available at many universities include "talking textbooks", braille computers or "phonic ears" to help hearing-impaired students listen to classroom lectures. Some universities are also beginning to offer services and assistance for learning disabled students.

Most universities have appointed a staff person to coordinate services to disabled students. As well, a Canada-wide organization called the National Educational Association of Disabled Students has been established to assist disabled students.

Admission to university

Each university sets its own standards and admission requirements.

Generally, however, universities in the same province maintain similar requirements for admission to undergraduate arts and science programs.

In eight provinces—British Columbia, Alberta, Saskatchewan, Manitoba, New Brunswick, Prince Edward Island, Nova Scotia and Newfoundland—students are required to complete 12 years of elementary and secondary education before being eligible for admission to an undergraduate program.

Quebec students must obtain a diploma of collegial studies, granted after two years of pre-university studies at a College of General and Vocational Education (Collège d'enseignement général et professionnel or CEGEP).

Since 1984, Ontario's Secondary School Graduation Diploma (SSGD), formerly awarded to Grade 12 graduates, and the Secondary School Honour Graduation Diploma (SSHGD), awarded to Grade 13 graduates, have been replaced by a single diploma, the Ontario Secondary School Diploma (OSSD). To receive the OSSD, students must earn a minimum of 30 credits, sixteen compulsory and fourteen elective. Students who plan to go to university are required to take six Ontario Academic Courses (OAC's). OAC's may be taken after successful completion of the 30-credit Ontario Secondary School Diploma or may be counted as credits towards the OSSD.

Students applying to universities outside their home province generally have to meet the same admission standards as those set by universities in their home province. That is, a student from Newfoundland applying to a university in Quebec would still be required to have completed Grade 12 in Newfoundland. However, this can vary: students are therefore encouraged to consult the individual university listings in this directory for more information.

Would-be students who have been out of school for a time are often considered "mature students" by universities. Admission is generally decided on an individual basis and interested students should contact the individual university for more information.

How much does it cost?

University tuition fees vary from province to province and from institution to institution. The following chart will give you an idea of what you can expect to pay. In addition to the cost of tuition, other expenses usually include books and other supplies, housing and meals. As well, there are usually additional fees to cover services such as health, athletics or student societies.

Tuition fees for full-time students at Canadian universities 1990-91 undergraduate arts and science program

Province	*Canadian students*	*International students*
Newfoundland	$1,344	$1,344
Prince Edward Island	$1,840	$3,540
Nova Scotia	$1,770- $2,135	$3,470- $4,157
New Brunswick	$1,710- $2,135	$3,410- $3,835
Quebec	$ 820- $1,012	$4,350- $5,850
Ontario	$1,144- $2,256	$4,018- $6,180
Manitoba	$1,362- $1,698	$1,362- $1,698
Saskatchewan	$1,478- $1,624	$1,478- $2,680
Alberta	$1,168- $2,850	$1,752- $3,745
British Columbia	$1,620- $5,350	$2,475- $5,350

*Only the University of Regina charges a differential fee

Not all university costs are borne by students alone, however. Every year, tens of thousands of Canadian students receive financial assistance from governments and various organizations to help defray the costs of going to university.

The universities themselves are one source of assistance. Graduate and undergraduate students alike can receive scholarships, bursaries or loans based on need, academic excellence, athletic merit or other qualifications such as participation in extracurricular activities. The awards can be funded by the institutions themselves or by local business groups, university graduates or community organizations. Information about such awards is available from each university.

The federal and provincial governments are the main source of financial aid to help Canadian students obtain a university education. Only Canadian citizens and permanent residents of Canada are eligible to apply for these awards.

This book is designed to give you a broad overview of Canada's university system. The rest is up to you. No one can choose a university for you. Only you can know what's important to you and what kind of university experience will best suit your needs and goals. Whatever choices you make will shape the next few years—just as your university experiences will shape the rest of your life.

Christine Tausig
August 1988

Note: Revised March 1991 with author's permission.

Christine Tausig is the associate editor of University Affairs, the monthly newsmagazine published by the AUCC.

A note for international students

Canada is the second largest country in the world, spanning a distance of almost 8,000 km from east to west. Its universities stretch from Newfoundland, located on the Atlantic Ocean to Vancouver Island on the Pacific Ocean coast.

Despite Canada's size, it is a sparsely populated country, with just over 26 million people. It is divided into ten provinces and two territories. There is no Canada-wide system of education, nor is there a central government office responsible for education in Canada. Each of Canada's 10 provinces has its own educational system, from the primary to the university level.

You'll find two languages of instruction at Canadian universities: English and French. Sixty-five universities teach courses in English only, 21 in French. There are six bilingual universities in Canada.

Universities in a number of Canadian provinces charge higher fees for international students than they do for Canadians. See the chart on p.xxiii for further details on fees. International students are not eligible for federal or provincial government student aid under the Canada Student Loans program.

However, international students sponsored by organizations such as the Canadian International Development Agency or the World Bank do not pay higher tuition fees.

There are no Canada-wide entrance tests or examinations for admission, although institutions generally require proof of proficiency in the language of instruction. Each university sets its own admission requirements and rules on the admissibility of applicants by assessing their educational qualifications. Applicants should contact the Canadian university where they wish to study at least one year before they want to begin their program.

Some universities set quotas or limits on the number of international students they will admit in certain faculties.

For details of university admission requirements, programs available and fees, consult the individual university listing in this directory or contact the institution directly.

Several publications can provide international students with more information on study in Canada. A brochure published by AUCC called "Notes for International Students" sets out details of application procedures. It is available free from AUCC, 151 Slater St., Ottawa, Ont. K1P 5N1.

International students may also wish to consult the International Students Handbook, available from the Canadian Bureau for International Education.

Agencies Mentioned

Association of Atlantic Universities, 1668 Barrington Street, Suite 300, Halifax, Nova Scotia, B3J 2A2. Telephone: (902) 425-4230.

Association of Canadian Community Colleges, 110 Eglinton Avenue West, 2nd Floor, Toronto, Ontario, M4R 1A3. Telephone: (416) 489-5925.

Association of Canadian Medical Colleges, 151 Slater Street, Suite 1006, Ottawa, Ontario, K1P 5N1. Telephone: (613) 237-0070.

Association of Universities and Colleges of Canada (AUCC), 151 Slater Street, Ottawa, Ontario, K1P 5N1. Telephone: (613) 563-1236.

British Columbia - Tri-Universities President's Council, University of Victoria, P.O. Box 1700, Victoria, British Columbia, V8W 2Y2. Telephone: (604) 721-7985.

British Columbia - Universities Advisory Council of British Columbia, Ministry of Advanced Education and Job Training, Universities Division, Parliament Buildings, Victoria, British Columbia, V8V 1X4. Telephone: (604) 387-6181.

Canada Student Loans Program, Student Assistance Directorate, Department of Secretary of State, P.O. Box 2090, Station D, Ottawa, Ontario, K1P 6C6. Telephone: (819) 994-1844.

Canadian Association of University Teachers, 294 Albert Street, Suite 308, Ottawa, Ontario, K1P 6E6. Telephone: (613) 237-6885.

Canadian Bureau for International Education (CBIE), 85 Albert Street, Suite 1400, Ottawa, Ontario, K1P 6A4. Telephone: (613) 237-4820.

Canadian Federation of Students (CFS), 126 York Street, Suite 300, Ottawa, Ontario, K1N 5T5. Telephone: (613) 232-7394.

Canadian International Development Agency, Place du Centre, 200 Promenade du Portage, Hull, Quebec, K1A 0G4. Telephone: (819) 997-5456.

Canadian Interuniversity Athletic Union (CIAU), 1600 James Naismith Drive, Gloucester, Ontario, K1B 5N4. Telephone: (613) 748-5619.

Canadian Organization of Part-time University Students (COPUS), 151 Slater, Suite 1001, Ottawa, Ontario, K1P 5N1. Telephone: (613) 563-1236, ext. 270.

Canadian Society for the Study of Higher Education, CSSHE Secretariat, 151 Slater Street, Ottawa, Ontario, K1P 5N1. Telephone: (613) 563-1236 ext. 270.

Corporate-Higher Education Forum, 1155 Dorchester Boulevard West, Suite 2501, Montreal, Quebec H3B 2K4. Telephone: (514) 876-1356.

Council of Maritime Premiers, P.O. Box 2044, 5161 George Street, Suite 1006, Halifax, Nova Scotia, B3J 2Z1. Telephone: (902) 424-8976.

Council of Ministers of Education, Canada, 252 Bloor Street West, Suite 5-200, Toronto, Ontario M5S 1V5. Telephone: (416) 964-2551.

Council of Western Canadian University Presidents (COWCUP), Simon Fraser University, Office of the President, Burnaby, British Columbia V5A 1S6. Telephone: (604) 291-4641.

Canadian University Service Overseas (CUSO), 135 Rideau Street, Ottawa, Ontario, K1N 9K7. Telephone: (613) 563-1242.

Department of Finance Canada, L'Esplanade Laurier, 140 O'Connor Street, Ottawa, Ontario, K1A 0G5. Telephone: (613) 992-1573.

Elderhostel Canada, Corbett House, 29 Prince Arthur Avenue, Toronto, Ontario M5R 1B8. Telephone: (416) 964-2260.

Employment and Immigration Canada, Ottawa, Ontario, K1A 0J9. Telephone: (613) 994-7141.

Indian and Northern Affairs Canada, Ottawa, Ontario, K1A 0H4. Telephone: (613) 997-9258.

Manitoba - Manitoba Universities Grants Commission, 1550-155 Carlton Street, Winnipeg, Manitoba, R3C 3H8. Telephone: (204) 945-1833.

Maritime Provinces Higher Education Commission (MPHEC), 450 King's Place, P.O.Box 6000, Fredericton, New Brunswick, E3B 5H1. Telephone: (506) 453-2844.

Medical Research Council of Canada, Jeanne Mance Building, Tunney's Pasture, 20th Floor, Ottawa, Ontario, K1A 0W9. Telephone: (613) 954-1809.

Industry, Science and Technology Canada, 235 Queen Street, Ottawa, Ontario K1A 1H5. Telephone: (613) 954-5716.

National Educational Association of Disabled Students (NEADS), Room 513 Unicentre, Carleton University, Ottawa, Ontario, K1S 5B6. Telephone: (613) 233-5963.

National Research Council, Montreal Road, Administration Building, M-58, Ottawa, Ontario, K1A 0R6. Telephone: (613) 993-9101.

Natural Sciences and Engineering Research Council of Canada, 200 Kent Street, 5th floor, Ottawa, Ontario, K1A 1H5. Telephone: (613) 995-6295.

Nova Scotia Council on Higher Education, 1701 Hollis Street, 6th Floor, Founder's Square, P.O. Box 2086, Station M, Nova Scotia, B3J 3B7. Telephone: (902) 424-6992.

Ontario - Council of Ontario Universities, 444 Yonge Street, Suite 203, Toronto, Ontario M5B 2H4. Telephone: (416) 979-2165.

Ontario - Ontario Council on University Affairs (OCUA), 700 Bay Street, 7th Floor, Toronto, Ontario, M5G 1Z6. Telephone: (416) 965-5233.

Ontario - Ontario Universities Application Centre, P.O. Box 1328, Guelph, Ontario, N1H 7PH. Telephone: (416) 823-1940.

Quebec - Association nationale des étudiants et étudiantes du Québec (ANEEQ), 1581, rue Dufresne, Montréal (Québec), H2K 3J6. Telephone: (514) 526-5449.

Quebec - Conference of Rectors and Principals of Quebec Universities, P.O.Box 952, Place du Parc, Suite 1200, 300 Léo Pariseau Street, Montreal, Quebec, H2W 2N1. Telephone: (514) 288-8524.

Quebec - Conseil des universités du Québec, Gouvernement du Québec, 2700, boulevard Laurier, 8e étage, Ste-Foy, (Québec), G1V 2L8. Telephone: (418) 643-8592.

Quebec - Fédération des associations de professeurs des universités du Québec, C.P. 956, succursale "Place du Parc", Montréal (Québec), H2W 2N1. Telephone: (514) 843-5953.

Quebec - Ministère de l'Enseignement supérieur et de la science, Edifice G, 19e étage, 1033, de la Chevrotière, Québec (Québec), G1R 5K9. Telephone: (418) 643-6788.

Quebec - Service québécois d'accueil aux étudiants étrangers, ministère de l'Enseignement supérieur et de la Science, 39, rue Saint-Louis, 3e étage, Québec (Québec) G1R 3Z2. Telephone: (418) 643-8218.

Saskatchewan - Federation of Saskatchewan Indian Nations, 107 Hodsman Road, Regina, Saskatchewan S4N 5W5. Telephone: (306) 949-8100.

Secretary of State, Ottawa, Ontario, K1A 0M5. Telephone: (613) 997-0055.

Social Sciences and Humanities Research Council of Canada, 255 Albert Street, P.O. Box 1610, Ottawa, Ontario, K1P 6G4. Telephone: (613) 992-0691.

Social Science Federation of Canada, 151 Slater Street, Room 415, Ottawa, Ontario, K1P 5H3. Telephone: (613) 238-6112.

Statistics Canada, RH Coats Building, Holland Ave & Scott Street, Tunney's Pasture, Ottawa, Ontario K1A 0T6. Telephone: (613) 951-8116.

The World Bank, 1818-H Street N.W., Washington D.C. 20433. Telephone: (202) 477-1234.

Les universités canadiennes: Une vue d'ensemble

Histoire et développement

Les diverses traditions religieuses, culturelles et linguistiques qui, entrelacées, forment le régime politique du Canada ont joué un rôle dans l'évolution des universités canadiennes. A l'heure actuelle, la diversité qu'on trouve parmi les 89 établissements membres de l'Association des Universités et Collèges du Canada (AUCC) et même au sein de ces établissements, reflète la façon dont chacun d'eux a répondu aux besoins particuliers de ses éléments constituants et aux besoins du milieu politique et social dans lequel il a évolué.

Avant d'entreprendre un examen de l'histoire des universités du Canada, il importe de comprendre ce qu'il faut entendre par le terme "université". Au Canada, ce terme s'applique à un établissement d'enseignement postsecondaire qui est autorisé à conférer des grades. Il y a toutefois lieu de noter que plusieurs de ces établissements s'appellent des collèges; quelques-uns sont des instituts et il y a aussi des écoles.

Une université ou un collège peut être associé à une autre université à titre d'établissement fédéré, affilié ou constituant. En règle générale, l'établissement fédéré a la responsabilité de sa propre administration et il a le pouvoir de conférer des grades mais, durant la période d'application de l'accord de fédération, une partie ou la totalité de ses pouvoirs de conférer des grades demeure en suspens. L'établissement affilié a la responsabilité de sa propre administration mais ne jouit pas du pouvoir de conférer des grades. Un établissement constituant fait partie intégrante de l'université mère pour toutes les questions qui concernent l'administration et l'enseignement.

Soixante-sept des 89 établissements membres de l'AUCC confèrent des grades pour tous les programmes qu'ils offrent. Parmi les 22 autres, six confèrent des grades dans un nombre limité de domaines (habituellement la théologie et les sciences religieuses), alors que le reste de leurs pouvoirs de conférer des grades demeure en suspens. Pour tous les autres, les pouvoirs en question demeurent en suspens. Chacun de ces 14 établissements a cependant un accord d'affiliation de quelque sorte avec une université qui exerce tous les pouvoirs de conférer des grades.

L'université a sa place dans la tradition canadienne depuis plus de 300 ans, c'est-à-dire qu'elle remonte au Séminaire de Québec, précurseur de l'Université Laval, fondé en 1663. Comme dans le cas des établissements fondés environ un siècle plus tard au Nouveau-Brunswick et en Nouvelle-Ecosse, et un peu plus tard encore dans le Haut-Canada, les statuts du Séminaire relevaient des autorités religieuses. De fait, les premières universités du Canada, à quelques exceptions près, étaient des établissements religieux. Il n'est donc pas étonnant que leur développement ait subi l'influence de modèles européens existant en France prérévolutionnaire, en Angleterre, en Ecosse et en Allemagne.

Le premier établissement non confessionnel à offrir un enseignement de niveau universitaire au Canada a été la McGill University à Montréal, fondée en 1821.

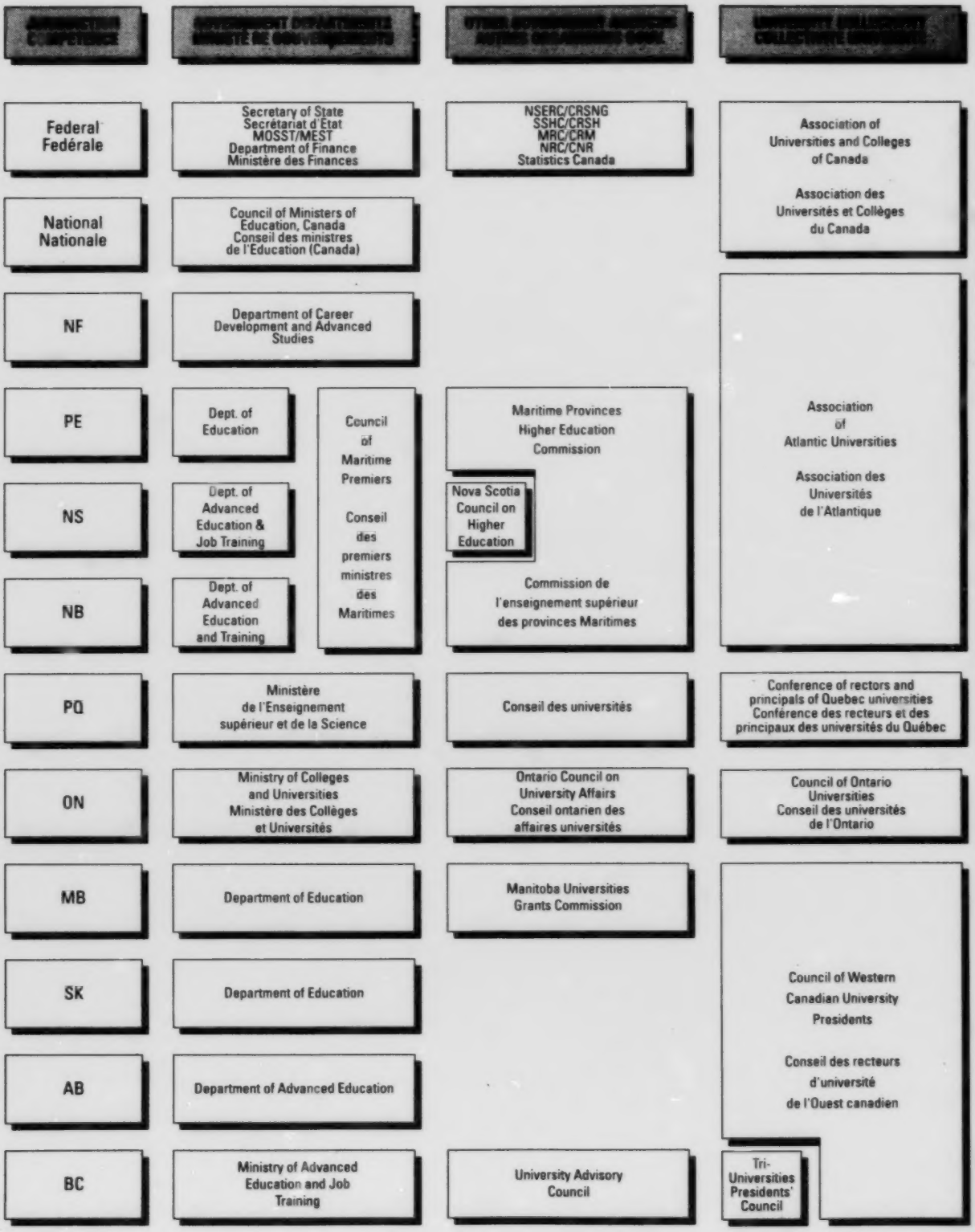
A l'époque de la Confédération, en 1867, l'engagement gouvernemental de quelque sorte que ce soit à l'égard des établissements d'enseignement supérieur était encore minimal. La situation a commencé à changer à la fin des années 1800 et au début du siècle actuel, lorsque les gouvernements des quatre provinces de l'Ouest du Canada (le Manitoba, la Saskatchewan, l'Alberta et la Colombie-Britannique) ont commencé à établir des universités à charte provinciale, à peu près de la même façon qu'ont été établis les "land-grant colleges" aux Etats-Unis.

La participation directe du gouvernement fédéral dans le secteur de l'enseignement supérieur remonte à 1876 avec l'établissement du Collège militaire royal de Kingston. Cette participation devait revêtir une importance grandissante durant la Deuxième guerre mondiale alors qu'Ottawa a demandé aux universités de concourir à l'effort de guerre. Elles étaient perçues comme des centres importants de professionnels très compétents, de recherche et d'innovation technologique. Après la guerre, le gouvernement d'Ottawa s'est adressé de nouveau aux universités pour qu'elles apportent le bénéfice de leur enseignement et une formation aux anciens combattants de retour au pays. C'est ainsi que le gouvernement fédéral en est venu à appuyer financièrement les universités. Les années de l'après-guerre immédiat ont constitué une période d'expansion considérable, alors que les universités établissaient de nouveaux programmes pour répondre à la demande accrue du grand public et aux exigences de l'expansion du progrès scientifique.

Comme dans d'autres pays, l'enseignement supérieur a traversé chez nous une période de progrès vraiment extraordinaire à la fin des années 1950 et tout au long des années 1960. En sept ans, de 1955 à 1962, les inscriptions à temps plein aux universités ont doublé. Elles ont doublé de nouveau entre 1962 et 1969. Les inscriptions à temps partiel ont également accusé une augmentation phénoménale: de 1962 à 1969, elles ont presque triplé. Pour répondre aux besoins d'instruction de la génération de "l'explosion démographique", dix-neuf nouvelles universités ont obtenu des chartes provinciales et les établissements existants ont considérablement élargi le champ de leurs activités.

Les inscriptions ont continué d'augmenter tout au long des années 1970 et 1980 quoiqu'à un rythme quelque peu ralenti et ce, en dépit d'une baisse réelle de la cohorte traditionnelle des jeunes âgés de 18 à 24 ans. Ces augmentations sont attribuables dans une large mesure à

DIAGRAM: Higher Education Framework
DIAGRAMME: Cadre de L'Enseignement Superieur



la participation accrue des femmes. En 1960-1961, elles ne comptaient que pour 24,3 pour cent des inscriptions à temps plein. Aujourd'hui, elles sont un peu plus de 51 pour cent.

Selon les données préliminaires, il y aurait en 1989-1990 452 842 étudiants à temps plein et 265 589 à temps partiel au premier cycle ainsi que 61 580 étudiants à temps plein et 39 033 à temps partiel aux deuxième et troisième cycles.

La mission de l'université

Les universités ont subi des changements importants au cours des 300 années de leur existence au Canada. Ces changements ne se reflètent pas uniquement dans le nombre des établissements, les catégories d'étudiants qu'ils servent ou même leur mode de financement. La façon dont les universités se perçoivent et leurs relations avec la collectivité ont également subi des changements fondamentaux.

C'est probablement comme lieu d'apprentissage que les universités sont encore le mieux connues. Comme les académies médiévales qui les ont précédées, elles fournissent le milieu et les ressources qui permettent à l'homme de satisfaire sa curiosité à propos de lui-même et du monde qui l'entoure. Elles aident les étudiants à s'exprimer et à donner forme et substance à leurs énergies créatrices. Tant que ces fonctions seront partie essentielle de la mission de l'université, on devrait reléguer aux oubliettes son image de tour d'ivoire à l'abri des pressions et des préoccupations du monde réel.

Les universités du Canada font partie intégrante de la collectivité. Elles sont pour nous et pour d'autres pays une source de professionnels hautement spécialisés. Elles ont doté le pays de la plupart de ses compétences en recherche pure et effectuent une bonne partie de la recherche appliquée. Elles offrent un large éventail de services aux collectivités du Canada et un peu partout dans le monde. Chaque année, elles injectent des centaines de millions de dollars dans les économies locales.

Les énoncés de mission varient d'un bout à l'autre de la communauté universitaire. Ils sont influencés par l'histoire de l'établissement, ses ressources humaines et matérielles, le mandat que lui ont donné ses gouverneurs et le rôle qu'il a joué depuis le début dans la collectivité qui l'entoure. Toutefois, qu'il s'agisse de la grande multi-université ou d'un petit collège d'arts libéraux, trois grands domaines d'activité caractérisent tous les établissements d'enseignement supérieur: l'enseignement, la recherche et le service à la collectivité.

Enseignement

L'enseignement universitaire est organisé en cours dont la grande majorité ouvrent droit à des crédits en vue d'un grade. Bien que les modes de présentation varient considérablement, l'enseignement magistral est généralement assuré en trois heures de cours par semaine et l'étudiant type inscrit à temps plein au premier cycle s'inscrira à cinq de ces cours chaque année. La plupart des programmes de premier cycle, c'est-à-dire ceux qui préparent à un baccalauréat, exigent trois ou quatre années d'études après l'école secondaire ou, au Québec, après le cégep.

Les programmes de formation professionnelle comportent ordinairement des cours obligatoires mais les étudiants sont également libres de suivre des cours au choix. Dans les autres programmes, surtout en arts et en sciences, il est courant que les étudiants suivent des cours dans diverses matières. Autrement dit, le grade de premier cycle typique au Canada et les années préalables au premier grade professionnel sont plus généraux que spécialisés. Si bon nombre d'universités exigent que les étudiants optent pour une majeure ou une concentration dans un sujet particulier, il est rare qu'une telle spécialisation s'applique à plus de la moitié des cours dans un programme de trois ou quatre années. D'autre part, les programmes spécialisés sont habituellement plus concentrés et exigent souvent une année supplémentaire d'étude.

Les grades des deuxième et troisième cycles et les programmes professionnels exigeant un premier grade dans les arts ou les sciences sont typiquement plus spécialisés que les programmes généraux du premier cycle. Beaucoup de programmes de maîtrise et presque tous les programmes de doctorat exigent une thèse.

Les programmes offerts dans les arts et les sciences demeurent un élément central de la mission des universités au chapitre de l'enseignement. De fait, ces programmes continuent d'être les plus recherchés. Les études dans des domaines tels que l'histoire, la philosophie, les mathématiques, la physique et la littérature initient les étudiants à un processus d'analyse, à la réflexion critique et à l'auto-expression qui peuvent être appliqués à un vaste éventail d'entreprises humaines. Ces domaines d'études traditionnels aident également les étudiants des programmes professionnels à développer le genre de perspective dont ils auront besoin pour s'acquitter de leurs fonctions avec sérieux.

Pour demeurer au courant d'un bagage de connaissances toujours plus étendu et des exigences de plus en plus complexes du milieu de travail moderne, les universités ont établi des programmes spécialisés qu'on n'aurait pu imaginer il y a une génération à peine, des programmes comme ceux du génie de l'agrologie, de la paléobiologie, du génie des pêches, de l'économique de l'espace urbain et de la kinésiologie appliquée, pour n'en nommer que quelques-uns.

Jusqu'au siècle dernier, la race humaine mettait environ cent ans à doubler la somme de ses connaissances. Aujourd'hui, elle y met tout juste deux ans. Ce rythme étourdissant rend le perfectionnement professionnel plus important que jamais. Les universités répondent aux

besoins particuliers des étudiants qui reviennent se perfectionner en créant des cours spéciaux pour ceux qui exercent déjà une profession.

En outre, elles mettent au point des façons novatrices de dispenser l'enseignement en augmentant l'accessibilité tout en servant une clientèle de plus en plus diverse. Les programmes d'enseignement à distance, qui font appel aux formes traditionnelles de correspondance ainsi qu'aux modes les plus récents de télécommunications, mettent les cours universitaires et, dans certains cas, des programmes complets préparant à un grade, à la disposition de personnes vivant à des centaines de kilomètres des centres universitaires. De fait, trois établissements, la Télé-Université au Québec, l'Athabasca University en Alberta et la British Columbia Open University se consacrent entièrement à l'enseignement à distance.

Grâce aux cours d'extension de l'enseignement, les universités atteignent la collectivité d'autres façons, offrant des cours dans des centres commerciaux de banlieue, dans des usines et des bureaux de gouvernements et d'entreprises. Elles offrent en outre des programmes spéciaux pour aider à préparer les étudiants non traditionnels, les membres des groupes minoritaires et les personnes éprouvant des difficultés d'apprentissage à affronter les rigueurs de la vie universitaire.

Recherche

A l'université, l'enseignement est étroitement lié à un autre domaine principal d'activité qui le soutient: la recherche. Les universités ne sont pas de simples dépositaires du savoir. Elles contribuent à sa création et, ce faisant, ajoutent au bagage de connaissances qui peut être transmis aux générations à venir.

Les universités occupent une grande place dans la recherche appliquée. Elles s'associent aujourd'hui au secteur privé pour mettre au point de nouveaux produits et procédés et chercher les moyens d'améliorer ceux qui existent déjà. De plus, elles participent énormément au transfert technologique en aidant les entreprises à mettre en application chez elles les toutes dernières percées dans un domaine.

Les avantages de la recherche appliquée sont assez faciles à saisir mais la valeur de la recherche universitaire ne saurait se mesurer uniquement en termes d'utilité. Apporter une contribution au bagage de connaissances du genre humain, percer les mystères, simplifier ce qui était complexe et jeter une lumière nouvelle sur le déjà connu sont autant d'activités qui ont de la valeur en elles-mêmes et par elles-mêmes. Il ne sera peut-être jamais possible de mesurer cette valeur en termes matériels mais il suffit de jeter un coup d'oeil sur l'ordinateur privé d'aujourd'hui pour constater ce qui peut se produire lorsqu'on recherche les connaissances pour elles-mêmes. Si les chercheurs des premières années de notre siècle n'avaient pas exploré le domaine des mathématiques théoriques, qui à ce moment-là ne laissaient aucunement prévoir d'application pratique, la mise au point de l'ordinateur aurait pu être retardée des années, voire des décennies.

La recherche dans les universités canadiennes bénéficie de diverses sources de financement. Une partie de l'aide vient des universités elles-mêmes, soit directement, soit par la fourniture d'installations, d'équipement et de personnel. Elle peut également être financée par des particuliers, des entreprises ou des fondations de charité. La recherche de ce genre est souvent liée aux besoins particuliers du bailleur de fonds et elle est souvent menée par des professeurs travaillant à contrat.

Cependant, la plus importante source d'appui direct à la recherche universitaire est le gouvernement fédéral. Les fonds qu'il destine à la recherche pure sont acheminés par l'intermédiaire de trois conseils subventionnaires — le Conseil de recherches médicales, Le Conseil de recherches en sciences humaines et le Conseil de recherches en sciences naturelles et en génie. Les fonds sont distribués avec l'avis des chercheurs au moyen d'un processus d'examen par les pairs. En plus de verser des subventions à la recherche, les conseils fournissent des fonds pour les déplacements (lesquels permettent aux chercheurs de mener des travaux de recherche dans d'autres parties du Canada ou à l'étranger), pour aider à acquitter les frais de fonctionnement des centres de recherche, pour entretenir ou acheter de l'équipement et pour faire connaître les résultats de la recherche. Ces dernières années, les conseils ont affecté une partie des fonds de recherche à des sujets particuliers, dans des domaines jugés d'importance nationale. Les fonds fédéraux parviennent aussi aux universités au moyen de contrats de recherche qu'elles exécutent pour divers ministères.

L'aide des gouvernements provinciaux à la recherche universitaire a acquis plus d'importance ces dernières années. Huit gouvernements provinciaux ont établi des organisations chargées de promouvoir la recherche tant à l'intérieur qu'à l'extérieur de la communauté universitaire. Ces organisations entretiennent des relations étroites avec celle-ci et, dans certains cas, logent sur les campus universitaires ou à proximité. Les universités se sont aussi mises à participer davantage à la commercialisation des résultats de la recherche. Un bon nombre d'entre elles, par exemple, ont établi des bureaux spéciaux pour promouvoir leurs travaux de recherche.

Service à la collectivité

Troisième des fonctions principales de l'entreprise universitaire, le service à la collectivité se définit peut-être mieux en termes anecdotiques. D'un bout à l'autre du pays, des dizaines de milliers de Canadiens comptent sur les universités pour assurer des services tels que l'accès aux grandes collections des bibliothèques, l'assistance juridique gratuite, les soins dentaires à prix modique, l'information d'urgence, l'orientation professionnelle et l'assistance aux entreprises. En outre,

les professeurs et les chercheurs offrent des observations éclairées et des analyses aux émissions d'information et d'affaires publiques, partageant avec la société dans son ensemble leurs vues sur les questions et préoccupations de l'heure.

Les universités canadiennes jouent également un rôle de plus en plus important sur la scène internationale. Grâce à des échanges d'universitaires et à des projets de développement à l'étranger, elles contribuent à réaliser d'importants objectifs de politique sociale tout en contribuant à accroître la compréhension entre notre peuple et ceux d'autres cultures.

Les étudiants

Parmi ceux à qui l'entreprise universitaire rend service se trouvent incontestablement les étudiants. Un total estimatif de 514 422 étaient inscrits à temps plein aux études universitaires en 1989-1990 et, de ce nombre, quelque 61 580 ou 12 pour cent suivaient à temps partiel des programmes des deuxième et troisième cycles. Sur quelque 304 622 étudiants à temps partiel on en comptait 39 033 aux études supérieures.

L'effectif universitaire a augmenté considérablement depuis les années 1950. Les données préliminaires concernant les inscriptions à temps plein de 1989-1990, comparativement à celles de 1960-1961, ont augmenté de 350 pour cent.

Le tableau à la page suivante indique l'effectif à temps plein et à temps partiel pour 1989-1990 des universités canadiennes et des établissements qui leur sont rattachés.

Cependant, tout importants que ces changements aient pu être pour le développement de nos universités, la composition du corps étudiant a aussi subi des changements fondamentaux, qui ont probablement des conséquences importantes non seulement pour les universités mais également pour la société en général.

Le nombre de femmes au sein du corps étudiant a à peu près doublé depuis 1960-1961. En termes de nombres, cependant, leur participation s'est multipliée par huit passant de 27 615 en 1960-1961 à 260 660 aujourd'hui. Outre ces augmentations, le nombre de femmes a augmenté de façon marquée dans des programmes qui, de tout temps, étaient pratiquement réservés aux hommes; le droit, la médecine et le journalisme en sont des exemples battants. Mais les femmes sont encore sous-représentées dans un certain nombre de disciplines.

Avec l'insistance actuelle sur l'apprentissage à vie, les universités ont vu augmenter de façon marquée le nombre d'étudiants recrutés hors de la cohorte des 18 à 24 ans. En 1970-1971, 17,9 pour cent des étudiants à temps plein avaient plus de 24 ans. En 1989-1990, la proportion a bondi à 24,2 pour cent.

La grande majorité des étudiants de premier cycle fréquentent les universités de leur province de leur domicile. En 1989-1990, par à peine exemple, environ neuf pour cent environ des étudiants de premier cycle fréquentaient un établissement hors de leur province. Le tableau se modifie quelque peu aux deuxième et troisième cycles où, en 1987-1988, 18 pour cent des étudiants à temps plein étaient inscrits à des établissements se trouvant à l'extérieur de leur province de domicile.

Le nombre d'étudiants étrangers inscrits à temps plein et à temps partiel dans les universités canadiennes a diminué au milieu des années 1980 tombant d'un maximum de 35 365 en 1983-1984, à 27 117 en 1987-1988. En 1989-1990, le nombre avait augmenté à 32 144. Les étudiants étrangers à temps plein et à temps partiel représentaient en gros 3,3 pour cent de l'effectif universitaire en 1989-1990. La baisse du nombre d'étudiants étrangers était peut-être attribuable à l'imposition de droits différenciés dans beaucoup de provinces. Terre-Neuve et le Manitoba sont les seules à ne pas imposer de droits de scolarité supplémentaires aux étudiants étrangers. (En Saskatchewan, seuls les étudiants étrangers qui fréquentent l'University of Regina paient un supplément de 50 pour cent). Les droits de scolarité applicables aux programmes d'arts et de sciences du premier cycle peuvent atteindre jusqu'à 5 900 $.

Les droits de scolarité varient d'une province à l'autre, d'une université à l'autre et d'un programme à l'autre. En 1990-1991, ceux du Québec, qui vont de 820 $ à 1 188 $ par année pour les études à temps plein au premier cycle et de 680 $ à 1 012 $ aux deuxième et troisième cycles, sont les moins élevés. En dehors du Québec, les frais de scolarité du premier cycle s'échelonnaient d'environ 1 200 $ à plus de 5 000 $ mais la majorité des établissements se situaient dans une fourchette beaucoup plus étroite de 1 500 $ à 2 000 $. Aux cycles supérieurs, les frais allaient de 900 $ à 2 600 $.

Le tableau à la page xxxiv montre les frais de scolarité de 1990-1991 pour les programmes de premier cycle en arts et sciences et pour les programmes des autres cycles. Etant donné que ces frais peuvent changer sans préavis, les étudiants seraient bien avisés de communiquer avec le registraire de l'établissement qui les intéresse pour obtenir des renseignements plus détaillés et plus à jour.

Note: Si l'université ne figure pas dans la liste, veuillez vous référer à son chapitre.

Bon nombre d'universités offrent des bourses d'études, des bourses de subsistance et des prêts de divers genres mais le principal mode de financement des études se trouve dans les régimes fédéraux et provinciaux de prêts et de bourses. Le Programme canadien de prêt aux étudiants est administré par neuf gouvernements provinciaux et les deux territoires. Le gouvernement du Québec s'est retiré du régime fédéral en 1964 et offre son

Inscription selon le niveau et l'établissement, 1989-1990

	Premier cycle plein temps	Premier cycle temps partiel	2e et 3e cycles plein temps	2e et 3e cycles temps partiel	Totale plein temps	Totale temps partiel
MEMORIAL UNIVERSITY OF NEWFOUNDLAND	9 772	3 113	748	563	10 520	3 676
SIR WILFRED GRENFELL COLLEGE	853	149	0	0	853	149
MEMORIAL OFF-CAMPUS CENTRES	261	522	0	1	261	523
UNIVERSITY OF PRINCE EDWARD ISLAND	2 310	842	22	8	2 332	850
ACADIA UNIVERSITY	3 247	548	70	123	3 317	671
ACADIA DIVINITY COLLEGE	67	38	14	8	81	46
ATLANTIC SCHOOL OF THEOLOGY	57	3	16	52	73	55
UNIVERSITE STE-ANNE	333	169	0	0	333	169
DALHOUSIE UNIVERSITY	6 993	1 142	1 619	565	8 612	1 707
MOUNT ST. VINCENT UNIVERSITY	2 076	1 255	45	144	2 121	1 399
NOVA SCOTIA COLLEGE OF ART AND DESIGN	474	48	13	2	487	50
TECHNICAL UNIVERSITY OF NS	784	50	254	53	1 038	103
ST FRANCIS XAVIER UNIVERSITY	2 237	344	77	59	2 314	403
COADY INTERNATIONAL INSTITUTE	49	0	0	0	49	0
SAINT MARY'S UNIVERSITY	4 153	2 014	140	491	4 293	2 505
UNIVERSITY OF KING'S COLLEGE	713	12	0	0	713	12
UNIVERSITY COLLEGE OF CAPE BRETON	1 445	862	0	0	1 445	862
NS AGRICULTURAL COLLEGE	459	29	0	0	459	29
NS AGRICULTURAL COLLEGE	371	271	0	0	371	271
MOUNT ALLISON UNIVERSITY	1 863	117	6	0	1 869	117
FREDERICTON BRANCH	6 489	1 349	566	428	7 055	1 777
ST. JOHN BRANCH	1 268	915	17	64	1 285	979
CENTRE UNIVERSITAIRE DE MONCTON	3 411	897	202	116	3 613	1 013
CENTRE UNIVERSITAIRE DE SHIPPIGAN	308	564	0	30	308	594
CENTRE UNIVERSITAIRE DE ST. LOUIS/MAILLET	557	641	0	27	557	668
ST THOMAS UNIVERSITY	1 358	300	0	0	1 358	300
BETHANY BIBLE COLLEGE	116	25	0	0	116	25
BISHOP'S UNIVERSITY	1 641	772	12	18	1 653	790
THOMAS MORE INSTITUTE FOR ADULT EDUCATION	0	523	0	0	0	523
McGILL INIVERSITY	14 783	5 736	4 949	2 661	19 732	8 397
UNIVERSITE DE MONTREAL	14 916	18 647	3 963	4 164	18 879	22 811
ECOLE POLYTECHNIQUE	3 256	910	570	508	3 826	1 418
ECOLE DES HAUTES ETUDES COMMERCIALES	2 616	5 799	424	925	3 040	6 724
UNIV. DU QUE. A CHICHOUTIMI	2 613	4 233	183	343	2 796	4 576
UNIV. DU QUE. A MONTREAL	13 918	19 188	1 248	1 999	15 166	21 187
UNIV. DU QUE. A ABITIBI-TEMISCAMINGUE	626	1 638	21	49	647	1 687
UNIV. DU QUE. A TROIS-RIVIERES	4 507	5 164	248	495	4 755	5 659
UNIV. DU QUE. A HULL	1 672	3 525	22	225	1 694	3 750
ECOLE NATIONALE D'ADMINISRATION PUBLIQUE	0	0	42	724	42	724
INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE	0	0	63	148	63	148
UNIV. DU QUE. A RIMOUSKI	1 272	4 376	118	176	1 390	4 552
ECOLE DE TECHNOLOGIE SUPERIEURE	723	878	0	0	723	878
TELE-UNIVERSITE	95	7 267	0	0	95	7 267
INSITUIT ARMAND-FRAPPIER	0	0	18	71	18	71
UNIVERSITE LAVAL	20 403	9 612	3 373	2 428	23 776	12 040
UNIVERSITE DE SHERBROOKE	8 352	5 436	1 324	1 469	9 676	6 905
CONCORDIA UNIVERSITY	11 546	11 036	1 930	1 300	13 476	12 336
COLLEGE MILITAIRE ROYAL DE ST-JEAN	255	0	0	0	255	0
BROCK UNIVERSITY	4 915	2 516	83	638	4 998	3 154
BROCK COLLEGE OF EDUCATION	296	1 472	0	0	296	1 472
CARLETON UNIVERSITY	12 643	4 537	1 322	1 119	13 965	5 656
UNIVERSITY OF GUELPH	10 618	1 926	1 189	211	11 807	2 137
LAKEHEAD UNIVERSITY	3 665	2 021	148	118	3 813	2 139
LAURENTIAN UNIVERSITY	4 239	2 446	76	93	4 315	2 539
ALGOMA UNIVERSITY COLLEGE	316	558	0	0	316	558
NIPISSING UNIVERSITY COLLEGE	824	1 223	0	0	824	1 223
LE COLLEGE UNIVERSITE DE HEARST	48	303	0	0	48	303
McMASTER UNIVERSITY	10 695	3 114	1 863	751	12 558	3 865
McMASTER DIVINITY COLLEGE	40	55	0	0	40	55
UNIVERSITY OF OTTAWA	12 717	7 190	1 938	1 834	14 655	9 024
UNIVERSITE SAINT-PAUL	178	398	182	95	360	493
QUEEN'S UNIVERSITY	10 613	3 612	2 137	530	12 750	4 142
QUEEN'S THEOLOGICAL COLLEGE	37	38	1	14	38	52
UNIVERSITY OF TORONTO	29 581	11 784	6 691	2 074	36 272	13 858
ST AUGUSTINE'S COLLEGE	60	17	0	0	60	17

Inscription selon le niveau et l'établissement, 1989-1990

	Premier cycle plein temps	Premier cycle temps partiel	2e et 3e cycles plein temps	2e et 3e cycles temps partiel	Totale plein temps	Totale temps partiel
ST. MICHAEL'S COLLEGE (THEOLOGY ONLY)	67	113	70	31	137	144
TRINITY COLLEGE (THEOLOGY ONLY)	55	37	34	6	89	43
KNOX COLLEGE	65	16	12	13	77	29
WYNCLIFFE COLLEGE	59	35	27	25	86	60
EMMANUEL COLLEGE	95	71	20	39	115	110
REGIS COLLEGE	86	48	33	19	119	67
ONTARIO INST. FOR STUDIES IN EDUCATION	1	34	787	1 545	788	1 579
TRENT UNIVERSITY	3 546	1 551	72	6	3 618	1 557
UNIVERSITY OF WATERLOO	14 270	5 674	1 536	400	15 806	6 074
UNIVERSITY OF ST JEROME'S COLLEGE	871	184	0	0	871	184
RENISON COLLEGE	260	433	0	0	260	433
UNIVERSITY OF WESTERN ONTARIO	16 478	5 296	2 426	685	18 904	5 981
BRESCIA COLLEGE	696	117	0	0	696	117
HURON COLLEGE	768	53	0	0	768	53
KING'S COLLEGE	1 580	349	0	0	1 580	349
UNIVERSITY OF WINDSOR	8 986	4 944	650	291	9 636	5 235
YORK UNIVERSITY	17 726	7 413	1 821	1 528	19 547	8 941
ATKINSON COLLEGE	947	7 188	0	0	947	7 188
GLENDON COLLEGE	1 407	316	0	0	1 407	316
WILFRID LAURIER UNIVERSITY	4 958	2 801	327	277	5 285	3 078
WATERLOO LUTHERAN SEMINARY	0	0	55	105	55	105
ROYAL MILITARY COLLEGE	769	0	63	35	832	35
COLLEGE DOMINICAIN DE PHILO. ET DE THEOLOGY	45	86	16	8	61	94
COLLEGE DOMINICAIN DE PHILO. ET DE THEOLOGY (MONTREAL)	23	285	0	0	23	285
ONTARIO BIBLE COLLEGE	285	50	3	1	288	51
ONTARIO THEOLOGICAL SEMINARY	103	98	63	121	166	219
RYERSON POLYTECHNICAL INST	8 920	9 672	0	0	8 920	9 672
REDEEMER COLLEGE	331	35	0	0	331	35
BRANDON UNIVERSITY	1 375	1 748	0	3	1 375	1 751
CANADIAN NAZARENE COLLEGE	65	70	2	0	67	70
UNIVERSITY OF MANITOBA	12 747	7 220	2 343	1 516	15 090	8 736
COLLEGE DE SAINT BONIFACE	424	185	1	81	425	266
ST ANDREW'S COLLEGE	12	19	0	0	12	19
MENNONITE BRETHERN COLLEGE OF ARTS	93	47	1	0	94	47
UNIVERSITY OF WINNIPEG	2 262	4 732	27	29	2 289	4 761
CANADIAN MENNONITE BIBLE COLLEGE	165	0	0	0	165	0
UNIVERSITY OF SASKATCHEWAN	11 740	4 269	1 220	402	12 960	4 671
COLLEGE OF EMMANUEL AND ST CHAD	37	0	0	0	37	0
LUTHERAN THEOLOGICAL SEMINARY	39	4	7	0	46	4
ST ANDREW'S COLLEGE	38	0	3	7	41	7
ST THOMAS MORE COLLEGE	906	97	0	0	906	97
ST PETER'S COLLEGE	89	4	0	0	89	4
UNIVERSITY OF REGINA	4 651	3 528	131	334	4 782	3 862
CAMPION COLLEGE	729	129	0	0	729	129
LUTHER COLLEGE	588	79	0	0	588	79
SASKATCHEWAN INDIAN COLLEGE	362	65	0	0	362	65
CANADIAN BIBLE COLLEGE	339	102	0	0	339	102
CANADIAN THEOLOGICAL COLLEGE	88	29	22	7	110	36
UNIVERSITY OF ALBERTA	21 669	3 287	3 349	1 186	25 018	4 473
UNIVERSITY OF CALGARY	15 279	3 585	2 024	955	17 303	4 540
CANADIAN UNION COLLEGE	239	22	0	0	239	22
UNIVERSITY OF LETHBRIDGE	3 031	396	9	22	3 040	418
NEWMAN THEOLOGICAL COLLEGE	30	80	6	6	36	86
ATHABASCA UNIVERSITY	0	7 456	0	0	0	7 456
CAMROSE LUTHERAN COLLEGE	765	38	0	0	765	38
THE KING'S COLLEGE	292	25	0	0	292	25
CONCORDIA COLLEGE	1 042	57	0	0	1 042	57
UNIVERSITY OF BRITISH COLUMBIA	17 810	5 205	3 945	1 033	21 755	6 238
ROYAL ROADS MILITARY COLLEGE	252	13	9	0	261	13
NORTHWEST BABTIST THEOLOGICAL COLLEGE	92	11	0	0	92	11
SEMINARY OF CHRIST THE KING	38	0	0	0	38	0
SIMON FRASER UNIVERSITY	7 026	7 053	1 391	109	8 417	7 162
UNIVERSITY OF VICTORIA	7 280	4 743	1 080	260	8 360	5 003
VANCOUVER SCHOOL OF THEOLOGY	75	20	2	5	77	25
TRINITY WESTERN UNIVERSITY	1 073	203	46	29	1 119	232
Canada	452 842	265 589	61 580	39 033	514 422	304 622

+ Source : Statistique Canada

propre programme. Le gouvernement fédéral lui verse annuellement un montant global.
En 1989-1990, quelque 701 $ millions ont été accordés dans le cadre du régime fédéral. Les provinces et territoires qui prennent part au régime fédéral établissent leurs propres normes ainsi que les règlements dictant la somme que l'étudiant doit emprunter du régime avant d'être admissible à l'aide provinciale. L'étudiant à temps plein admissible peut bénéficier d'un prêt allant jusqu'à 105 $ par semaine d'études. Quant aux étudiants à temps partiel, ils peuvent emprunter un capital d'au plus 2 500 $ pour couvrir les frais de livres, de matériel didactique et de déplacement.

Les étudiants à temps plein sont habituellement tenus de commencer à rembourser leur emprunt six mois après la fin de leurs études. Les étudiants à temps partiel doivent commencer à rembourser le leur un mois après son émission. D'autre part, le gouvernement fédéral a adopté récemment un programme d'exemption d'intérêt en vertu duquel on suspend le paiement des intérêts dans le cas des débiteurs temporairement handicapés ou incapables de trouver un emploi.

Dans le cas des études de maîtrise, une aide est offerte dans le cadre de programmes de prêts et de bourses qui ont récemment été élargis pour englober les étudiants à temps partiel. De plus, les sociétés, les gouvernements, les associations et les universités elles-mêmes offrent un large éventail de bourses d'études, bien qu'un bon nombre d'entre elles soient réservées à des domaines particuliers. Au niveau du doctorat, les conseils subventionnaires accordent des bourses de recherche et divers ministères accordent un petit nombre de bourses relativement spécialisées pour la recherche dans des domaines auxquels ces ministères s'intéressent particulièrement. La plupart des universités qui offrent des programmes menant au doctorat assurent des assistanats à leurs chercheurs à ce niveau.

Certaines études révèlent que les droits de scolarité exigés par les universités ou encore la difficulté qu'éprouvent certains à acquitter ces droits ne sont pas en eux-mêmes un facteur important de la sous-représentation des groupes socio-économiques inférieurs et des minorités à l'université. Après tout, les droits de scolarité ne représentent qu'une fraction des coûts que les particuliers ont à acquitter durant leurs études à l'université. Mais si les programmes d'aide aux étudiants sont censés accroître l'accessibilité pour tous les Canadiens, la crainte d'entreprendre une vie de travail sous le poids d'une lourde dette peut fort bien détourner de la poursuite des études ceux qui n'ont pas l'habitude du crédit.

Le corps professoral

Presque toutes les universités canadiennes ont un système de quatre échelons pour classifier leur

Frais de scolarité pour les étudiants à plein temps dans les universités canadiennes, 1990-1991

No.	Province et établissement	Premier cycle: Arts	Premier cycle: Sciences[2]	2e et 3e cycles *
	Newfoundland - Terre-Neuve			
1	Memorial University of Newfoundland	1,344	1,344	872-1,082
	Prince Edward Island - Ile-du-Prince-Édouard			
2	Prince Edward Island, University of	1,840	1,840	2,238
	Nova Scotia - Nouvelle-Écosse			
3	Acadia University	2,125	2,125	2,180
4	Cape Breton, University College of	1,890	1,890	-
5	Dalhousie University	1,770	1,770	1,895-2,200
6	King's College, University of	1,775-2,125	1,775	-
7	Mount Saint Vincent University	1,915	1,915	1,488-2,480
8	Nova Scotia Agricultural College	-	-	-
9	Nova Scotia College of Art and Design	2,066	-	1,894-2,582
10	Sainte-Anne, Universit_)__	1,885	1,885	-
11	St. Francis Xavier University	2,100	2,100	2,100
12	Saint Mary's University	1,950	1,950	1,950
13	Technical University of Nova Scotia	-	1,860	1,900
	New Brunswick - Nouveau-Brunswick			
14	Moncton, Université de	1,820	1,820	1,820
15	Mount Allison University	2,135	2,135	300
16	New Brunswick, University of	1,975	1,975	1,730-2,595
17	St. Thomas University	1,710	-	-
	Québec			
18	Bishop's University	900	940	900
19	Concordia University	880	880	880
20	Laval, Université	900	950	22
21	McGill University	1,012	1,012	1,012
22	Montréal, Université de	968	968	980
23	Québec, Université du	850	850	680-850
24	Sherbrooke, Université de	820	820	820
	Ontario			
25	Brock University	1,640	1,640	247-2,200
26	Carleton University	1,638	1,638	1,646
27	Collège dominicain de philosophie et de théologie	1,144	-	1,144
28	Guelph, University of	1,638	1,638	1,330
29	Lakehead University	1,638	1,638	1,823
30	Laurentian University - Laurentienne, Université	1,639	1,639	1,783
31	McMaster University	1,637	1,637	2,050
32	Ottawa, Université d' - Ottawa, University of	1,638	1,638	1,645
33	Queen's University	1,638	1,638	909-2,271
34	Ryerson Polytechnical Institute	1,639	-	-
35	Toronto, University of	1,640	1,640	2,058
36	Trent University	1,639	1,639	2,061
37	Waterloo, University of	1,640-2,256	1,640-2,256	2,037
38	Western Ontario, University of	1,639	1,639	1,646
39	Wilfrid Laurier University	1,637	1,637	1,368-1,644
40	Windsor, University of	1,639	1,639	918-1,836
41	York University	1,638	1,638	1,913
	Manitoba			
42	Brandon University	1,362	1,362	1,490-2,007
43	Manitoba, University of (6)	1,467	1,610	1,819
44	Winnipeg, University of (6)	1,450	1,450	-
45	Collège universitaire de Saint-Boniface	1,458	1,698	-
	Saskatchewan			
46	Regina, University of	1,624	1,624	1,624
47	Saskatchewan, University of	1,478	1,478	1,606
	Alberta			
48	Alberta, University of	1,229	1,229	1,495-2,290
49	Calgary, University of	1,168	1,168	1,481
50	Camrose Lutheran College	2,700	2,700	-
51	Concordia College	2,245	2,245	-
52	King's College,The	2,850	2,850	-
53	Lethbridge,University of	1,216	1,216	1,424
	British Columbia - Colombie-Britannique			
54	British Columbia, University of	1,680-2,016	1,680-2,016	1,879
55	Seminary of Christ the King	1,900	-	-
56	Simon Fraser University	1,650	1,650	1,644-1,986
57	Trinity Western University	5,350	5,350	-
58	Victoria, University of	1,620	1,620	2,070

*Les frais mentionnés peuvent couvrir l'année, un trimestre, un cours ou un demi-cours et ne sont donc pas comparables.
On trouvera plus de détails dans les tableaux et les notes en bas de page de Frais de scolarité et de subsistance, Statistique Canada, no de catalogue 81-219.

personnel enseignant. Par ordre ascendant les rangs s'établissent ainsi: chargé de cours, professeur adjoint, professeur agrégé et professeur titulaire.

Les nominations au rang de chargé de cours sont ordinairement valables pour un an et les candidats sont habituellement censés détenir au moins une maîtrise. Cependant, la plupart des nominations initiales se font au niveau de professeur adjoint où l'on exige normalement un doctorat. Les membres du corps professoral qui n'en ont pas sont censés poursuivre leurs études en vue de l'obtention du grade.

Les critères utilisés expressément pour déterminer l'avancement des membres du corps professoral dans les rangs varient d'un établissement à l'autre mais ils sont ordinairement fondés sur le dossier du candidat en matière d'enseignement, de recherche et de service, soit dans l'établissement, soit dans la société en général. Il en va de même pour la permanence. Pour parler simplement, la permanence est le droit contractuel d'occuper indéfiniment un poste et se compare à une protection du même genre accordée aux employés dans les secteurs public et privé, bien que la période de stage exigée pour obtenir cette protection soit beaucoup plus longue à l'université que dans les autres milieux d'emploi. La permanence est habituellement acquise après trois à cinq ans de service et seulement après une évaluation complète par les pairs et un contrôle administratif.

On peut mettre fin à l'emploi d'un professeur permanent pour un motif valable — incompétence, inconduite, excédent de personnel ou contrainte financière. Les universités étant assujetties au droit administratif, les cas de renvoi injustifié aboutissent ordinairement au rétablissement en emploi plutôt qu'à un jugement accordant des dommages-intérêts. Les employés du secteur public et les employés syndiqués du secteur privé jouissent d'une protection analogue.

Dans bon nombre d'universités, les modalités et les conditions d'emploi des professeurs, y compris les critères appliqués pour déterminer l'avancement et la permanence, font l'objet de négociations entre l'administration et le syndicat ou l'association de professeurs. Les syndicats de professeurs sont d'institution relativement récente au Canada. Le premier a été établi en 1970 et la première convention collective a été signée en 1974. La province de la Colombie-Britannique interdit l'accréditation des syndicats de professeurs.

Les représentants du corps professoral sont habituellement en majorité au sénat universitaire, conseil d'administration qui exerce normalement une surveillance sur les affaires d'ordre pédagogique. Ces représentants siègent aussi aux bureaux des gouverneurs. Des membres de tous les niveaux du corps professoral jouent un rôle important dans l'administration de l'université, dans le cadre d'un vaste système de comités.

Les agents d'administration de l'enseignement, par exemple les doyens et les directeurs de département, sont nommés à la recommandation du recteur de l'université mais dans la plupart des établissements, les professeurs jouent un rôle de première importance en donnant leur avis sur ces nominations et dans certains cas, ces agents sont élus par la faculté ou le département compétent.

Autorités provinciales compétentes
Programme canadien de prêts aux étudiants
Demandez les détails à la province où vous résidez

Terre-Neuve
Division de l'aide aux étudiants
Ministère de l'Education
L'Edifice Conféderation,
C.P. 8700
Saint-Jean (Terre-Neuve)
A1B 4J6
Tel.:(709) 576-4235

Prince Edward Island
Division de l'aide aux étudiants
Ministère de l'Education
Case postale 2000
Charlottetown
(Ile-du-Prince-Edouard)
C1A 7N8
Tel.:(902) 368-4640

Nouvelle-Ecosse
Bureau de l'aide aux étudiants
Ministère de l'Education
Case postale 578
Halifax (Nouvelle-Ecosse)
B3J 2S9
Tel.:(902) 424-7737

Nouveau-Brunswick
Bureau de l'aide aux étudiants
Ministère de l'Education
Case postale 6000
Fredericton (Nouveau-Brunswick)
E3B 5H1
Tel.:(506) 453-2577

Québec
Aide financière aux étudiants*
Ministère de l'Education
Governement du Québec
Québec (Québec)
G1R 5A5

* La province de Québec a décidé de se doter de son propre programme d'aide aux étudiants, dont les conditions sont analogues à celles du Programme canadien de prêts aux étudiants.

Ontario
Direction de l'aide aux étudiants
Ministère des Collèges et Universités
Immeuble Mowat
Queen's Park
Toronto (Ontario)
M7A 1L2
Tel.:(416) 965-5241

Manitoba
Direction de l'aide aux étudiants
Ministère de l'Education
Case postale 6
693 avenue Taylor
Winnipag (Manitoba)
R3M 3T9
Tel.:(204) 945-6322 or

Saskatchewan
Direction des services financiers aux étudiants
Ministères de l'Enseignement supérieur et de la Main-d'oeuvre
1855 avenue Victoria
Regina (Saskatchewan)
S4P 3V7
Tel.:(306) 787-5620

Alberta
Commission d'aide aux étudiants
Ministère de l'Enseignement supérieur
10e étage CentreBaker
10025 - 106e rue
Edmonton (Alberta)
T5J 1G4
Tel.:(403) 427-2740

Colombie-Britannique
Direction des services aux étudiants Ministère de l'Enseignement supérieur et de la Formation professionnelle
Parliament Buildings
Victoria (Colombie-Britannique)
V8V 1X4
Tel.:(604) 387-6100

Yukon
Comité d'aide financière aux étudiants Ministère de l'Education
Governement du Yukon
Case postale 2703
Whitehorse (Yukon Territory)
Y1A 2C6
Tel.:(403) 667-5141

Territoires du Nord-Ouest
Direction des services aux étudiants Ministère de l'Enseignement supérieur
Gouvernement des Territoires du Nord-Ouest
Yellowknife (Territoires du Nord-Ouest)
X1A 2L9
Tel.:(403) 873-7194

Source: Secrétariat d'État du Canada

En 1989-1990, il se trouvait 36 700 professeurs à temps plein dans les universités canadiennes dont environ 70 pour cent occupaient les rangs de professeur agrégé et de professeur titulaire. La moyenne d'âge des professeurs d'université s'établissait à 46 ans. En 1970-1971, il y avait 24 600 professeurs à temps plein dont 48 pour cent seulement se trouvaient au niveau de professeur agrégé ou au-desous. La moyenne d'âge des professeurs était alors de 39 ans.

Même si le nombre d'inscriptions aux universités a continué de s'accroître au cours des années 1970 et 1980, quoiqu'à un rytinme un peu plus lent qu'au cours des années 1960, le nombre de professeurs à temps plein n'a pas augmenté au même rythme que les inscriptions.

Statuts et administration des universités

Les lois civiles établissant les universités ou modifiant les établissements existants sont de responsabilité provinciale. Les exceptions sont les collèges militaires fédéraux et quelques établissements créés à l'origine par voie de charte royale.

Un système de gouvernement à deux assemblées représentatives ou bicaméral est en vigueur dans toutes les universités du Canada sauf trois. Une fois qu'un établissement est légalement doté d'une charte, ses pouvoirs corporatifs sont dévolus à un conseil d'administration généralement appelé bureau des gouverneurs. Les bureaux de la plupart des universités sont habituellement composés de représentants du gouvernement, du secteur privé, de l'administration universitaire, des professeurs, des associations des étudiants de troisième cycle et des anciens élèves. Leur fonction consiste à surveiller les opérations financières des universités et à entretenir des rapports avec les gouvernements et le grand public.

Le chancelier de l'université est le chef nominal de l'établissement. Il ou elle peut être élu(e), nommé(e) ou occuper le poste d'office, selon la charte que détient l'université. Il s'agit d'un poste honorifique. L'autorité de fait est liée au poste de président, recteur ou principal.

La responsabilité des questions qui se rattachent à l'enseignement est, en règle générale, confiée au sénat. La plupart des sénats se composent principalement de représentants des professeurs et d'administrateurs de l'enseignement. Les étudiants sont aussi représentés aux sénats de la plupart des universités. Le recteur est ordinairement membre d'office du sénat et, dans un certain nombre d'établissements, en est le président. Les sénats sont chargés des admissions, des offres de cours, de l'élaboration des programmes, de la discipline universitaire et de la remise des grades.

Trois universités, Athabasca, Laval et Toronto, ont adopté un système de *gouvernement unicaméral, c'est-à-*dire qu'un organisme unique y exerce les pouvoirs à la fois du conseil d'administration et du sénat.

Outre le recteur, les cadres supérieurs de l'université comprennent des vice-recteurs, dont chacun est habituellement responsable d'un domaine particulier de la vie à l'université (enseignement, administration, finances, recherche et relations avec la collectivité); le secrétaire général, qui peut agir en qualité de secrétaire du bureau des gouverneurs ou du sénat et dont relève la responsabilité des admissions, des dossiers et de l'emploi du temps; l'agent d'affaires, souvent appelé contrôleur ou économe, qui est chargé des opérations financières de l'établissement au jour le jour, y compris la perception des droits de scolarité et enfin, les doyens et les directeurs de départements qui administrent les affaires des facultés et des départements.

Entre autres postes d'administration, mentionnons le préposé aux admissions, les directeurs des étudiants et des étudiantes, le bibliothécaire, l'agent d'expansion, l'agent d'information ou de relations publiques, un administrateur de la recherche et un agent de la recherche institutionnelle.

Les administrateurs en chef des universités se sont réunis en diverses associations nationales, régionales et provinciales pour promouvoir la coopération entre leurs établissements et formuler leurs positions sur des questions de principe d'intérêt commun. Aux niveaux régional et provincial, ces organisations sont l'Association des universités de l'Atlantique, la Conférence des recteurs et des principaux des universités du Québec, le Conseil des universités de l'Ontario et le Conseil des recteurs d'université de l'Ouest canadien. Sur le plan national, on trouve l'Association des Universités et Collèges du Canada qui groupe 89 membres.

Il existe aussi des associations parallèles qui représentent les professeurs et les étudiants aux paliers national, provincial et institutionnel. Des associations d'étudiants et de professeurs existent sur presque tous les campus. L'organisme national qui représente le corps professoral est l'Association canadienne des professeurs d'université. Les étudiants sont représentés au palier national par la Fédération canadienne des étudiants.

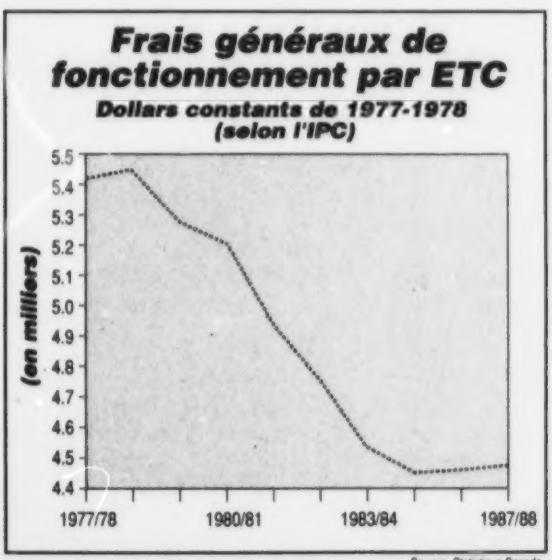
Une foule d'autres associations facilitent la coopération et l'échange d'idées et de renseignements entre les autres administrateurs chargés des diverses divisions de l'enseignement et de l'administration dans le fonctionnement de l'université.

Ces consortiums et des vingtaines d'autres groupant les établissements ont contribué à aider les universités à atteindre un degré élevé d'efficacité dans un vaste éventail d'activités, tout en évitant la concurrence inutile et le double emploi des services. Entre autres exemples, il y a lieu de mentionner les régimes d'achat coopératif et de gestion des inventaires, les réseaux d'ordinateurs et

de communication, la planification et l'exécution de programmes coopératifs ainsi que les initiatives en matière de recherche-développement en collaboration.

Les universités du Canada ont, de tout temps, joui d'un haut degré d'autonomie. De fait, celle-ci est généralement perçue comme étant essentielle pour que les universités puissent promouvoir les intérêts de la civilisation tout en répondant aux besoins immédiats de la société contemporaine. Cependant, l'entreprise universitaire étant un établissement public, certains de ses aspects sont venus à relever d'organismes gouvernementaux et quasi-gouvernementaux. On en trouve un exemple dans la Commission de l'enseignement supérieur des provinces Maritimes qui est investie de l'autorité en ce qui concerne l'adoption de nouveaux programmes dans les universités du Nouveau-Brunswick, de la Nouvelle-Ecosse et de l'Ile-du-Prince-Edouard. L'Ontario Council on Graduate Studies jouit de pouvoirs du même genre sur l'adoption de nouveaux programmes aux deuxième et troisième cycles dans sa province. Au Manitoba, l'Universities Grants Commission passe en revue et approuve par écrit tout service nouveau ou élargi et toute installation ou tout programme d'études nécessitant des fonds dont dispose la Commission.

Les décisions politiques du gouvernement ont des répercussions sur diverses fonctions des universités en matière d'administration et d'enseignement, depuis l'engagement et la mise à la retraite du personnel enseignant, jusqu'à la nature et à l'orientation de la recherche universitaire et à l'aptitude de l'université à attirer des dons du secteur privé. Bien qu'il soit impossible de généraliser en ce qui concerne la nature et l'étendue des relations entre les universités et les gouvernements, le graphique ci-après illustre les principales caractéristiques de ces relations. Il ne saurait toutefois décrire leur complexité ni les différences importantes qu'on découvre entre les provinces et les régions.



Source: Statistique Canada

IPC - Indice des prix à la consommation (utilisé, à défaut d'un indice des prix à l'enseignement supérieur reconnu par tout le pays, pour indiquer le changement en termes réels).

Exprimés en dollars constants de 1977-1978, les frais généraux de fonctionnement par équivalence de temps complet (ETC) sont tombés de 5,426 $ en 1977-1978 à 4,492 $ en 1988-1989, soit une baisse de 17,2 %.

Cependant, pratiquement toute cette baisse a été enregistrée entre 1978-1979 et 1984-1985 et, depuis lors, les frais réels par ETC sont demeurés à peu près au même niveau.

Le financement des universités

Les universités canadiennes tirent leurs revenus d'un certain nombre de sources y compris les subventions du gouvernement au fonctionnement et à la recherche, les droits de scolarité des étudiants, les dons du secteur privé, la vente de services et le revenu de placements. Le gouvernement représente cependant la source de revenus de loin la plus importante.

L'Acte de l'Amérique du Nord britannique, qui a créé et défini dans ses grandes lignes le Canada comme un Etat fédéral, attribue aux provinces la compétence dans le domaine de l'éducation. Cependant, le gouvernement fédéral a commencé à accorder des subsides directement aux universités après la Deuxième guerre mondiale lorsque les anciens combattants de retour au pays ont littéralement doublé les inscriptions aux universités en deux ans à peine, de 1945 à 1947. En 1952, à la suite de recommandations d'une commission royale des arts, des lettres et des sciences, le gouvernement fédéral a commencé à distribuer des subventions d'aide aux universités, d'abord aux provinces et plus tard directement aux établissements.

En 1966, le gouvernement fédéral cessait de verser des subsides directement aux universités, sauf pour l'aide aux collèges militaires et à la recherche. Il a plutôt accordé aux provinces des transferts fiscaux correspondant à 50 pour cent de leurs dépenses au chapitre des universités. En 1972, des modifications à la Loi sur les accords fiscaux entre le gouvernement fédéral et les provinces ont établi un maximum annuel de 15 pour cent à l'égard du taux d'augmentation de la contribution fédérale.

Depuis 1977 et jusqu'à ce jour, la Loi fédérale sur les accords fiscaux entre le gouvernement fédéral et les provinces et sur le financement des programmes établis a assuré le transfert de points d'impôts sur le revenu personnel et sur le revenu des sociétés aux provinces pour soutenir les programmes de santé et d'enseignement postsecondaire sur le territoire relevant de leur autorité. Selon l'estimation du ministère des Finances en 1989-1990, la valeur combinée des points d'impôt et des transferts en espèces aux provinces aux fins de l'enseignement postsecondaire s'établissait à 5,7 $ milliards.

En 1988-1989, le revenu total des universités a atteint quelque 8,5 $ milliards, dont 5 547 $ millions environ en revenu de fonctionnement, 1 194 $ millions pour la

recherche commanditée et 522 $ millions en immobilisations.

De 1977-1978 à 1988-1989, les dépenses générales au chapitre du fonctionnement par équivalent d'étudiant à temps plein ont varié de 5 426 $ à 9 513 $. Toutefois, en dollars constants de 1977-1978, il s'agissait en réalité d'une baisse de 17,2 %, soit de 5 426 $ à 4 492 $.

La tradition universitaire au Canada: Une mission de longue haleine

Les universités du Canada, comme toutes celles du monde, sont les héritières d'une tradition remontant à plus de 800 ans. Depuis son apparition en Europe médiévale, l'université a pris place parmi les plus anciennes institutions sociales de notre civilisation. Tout en étant adaptable, elle a aussi fait preuve d'une aptitude remarquable à demeurer fidèle à son objectif initial, la libération des esprits. Aujourd'hui, ses chercheurs, postés aux frontières du savoir dans de nombreux domaines, sont à l'avant-garde de l'ère nouvelle.

Ensemble, les universités du Canada sont le reflet de la mosaïque culturelle, sociale, religieuse et politique sans pareille qui caractérise notre pays. Elles sont au service de milieux divers — nos populations autochtones, nos deux cultures fondatrices et les nombreux autres groupes ethniques qui se sont réunis pour former la famille canadienne. Leurs conseils d'administration font valoir des intérêts à caractère public et privé, religieux et séculier, anglophone et francophone. Les programmes qu'elles offrent respectent les priorités nationales et provinciales aussi bien que celles des communautés locales. L'énoncé de leur mission affirme leur engagement à établir un équilibre entre la demande croissante de programmes spécialisés et de recherche appliquée d'une part et les objectifs qui, depuis longtemps, ont marqué l'héritage intellectuel de la civilisation occidentale. Ces objectifs, la liberté de rechercher le savoir dans tous les domaines, d'explorer le nouveau, de mettre en doute l'ancien, de poser des questions et d'offrir des réponses, se fonde sur la premisse voulant que le gain matériel ne soit pas et ne doive jamais être la seule motivation de l'expression du génie créateur et de la satisfaction de la curiosité humaine.

Mark Giberson
Août 1988

Note: Revisé en mars 1991 avec la permission de l'auteur.

Au moment de la rédaction du présent article, M. Giberson était agent d'information à l'AUCC. Il est maintenant directeur des relations universitaires à la St. Thomas University.

Les universités canadiennes: Guide à l'intention des étudiants

Comment choisir?

Catherine a choisi son université pour une seule raison: tous ses amis y allaient.

Pour Louise, le choix a été plus difficile. Elle savait qu'elle voulait étudier la biologie et qu'elle voulait vivre ailleurs que chez ses parents pendant quelques années mais elle ne savait pas quelle université conviendrait le mieux.

Quant à David, il n'a pas eu le choix. Parent seul, avec un emploi à temps plein et deux jeunes enfants, il a suivi des cours du soir à temps partiel à l'université locale pour se perfectionner. Les gens choisissent leur université en fonction de raisons variées. Certains sont poussés par les opinions de leurs amis, qui ne sont pas toujours fondées sur des faits. D'autres marchent sur les traces de leurs parents ou suivent le conseil d'un professeur ou d'un orienteur. D'autres encore pensent surtout au lieu et choisissent un campus voisin de chez eux ou dans une ville qu'ils aiment.

Choisir son université n'est pas une décision à prendre à la légère. De fait, c'est probablement l'une des plus importantes décisions de votre vie. C'est pourquoi il importe d'examiner attentivement toutes les options et de comparer vos intérêts et vos besoins avec les programmes, services et moyens qu'offre l'université.

Les universités canadiennes offrent un large éventail de choix à qui veut étudier. Quoi que vous cherchiez, il y a probablement au pays une université qui répond à vos besoins.

L'Association des Universités et Collèges du Canada groupe actuellement 89 universités et collèges universitaires. Chacune et chacun offre une expérience différente.

Certains campus s'étendent sur des douzaines de pâtés, au coeur même de l'activité urbaine. D'autres se donnent des allures pastorales dans quelque campagne tranquille. Des plus grandes universités, qui offrent un éventail complet de programmes de premier cycle et d'études supérieures et professionnelles, aux petits collèges d'arts libéraux ou spécialisés dans des domaines tels que les beaux-arts, le génie ou les affaires, les universités canadiennes offrent une foule de perspectives et beaucoup de choix. Toutefois, le nombre d'options peut justement rendre difficile le choix de la "bonne" université.

Voici quelques indications qui peuvent aider le futur étudiant à choisir:

* Décidez d'abord ce que vous voulez étudier. Un coup d'oeil à la dernière section du répertoire ("Programmes préparant à un grade, un diplôme ou un certificat") vous aidera à ce chapitre. La section contient la liste des programmes offerts et indique par quelles universités ils sont offerts.

* Examinez vos moyens financiers. Décidez combien vous pouvez vous permettre de payer en frais de scolarité, logement, livres, etc. Si vos moyens sont restreints, vous voudrez peut-être étudier près de chez vous. C'est aussi le moment de vous renseigner sur les programmes fédéraux et provinciaux d'aide aux étudiants et les possibilités d'obtenir une bourse d'études.

* Faites-vous mentalement une image de l'expérience universitaire idéale. Veillez à ce que vos besoins et le genre d'université que vous choisissez correspondent. Aimez-vous un centre ville animé, où ne manquent ni les galeries d'art, ni les musées ni les restaurants? Ou préférez-vous un campus qui se suffit à lui-même où les activités étudiantes prennent beaucoup d'importance? Les sports ou d'autres occupations parascolaires ont-ils de l'importance pour vous? Voulez-vous habiter un foyer universitaire ou préférez-vous vivre hors du campus? S'il vous faut ou si vous souhaitez des services ou des programmes spéciaux tels qu'une garderie, des cours bilingues ou des installations pour handicapés, assurez-vous que l'université de votre choix les a.

* Si c'est le moindrement possible, visitez les universités auxquelles vous songez avant d'arrêter votre choix. Parlez aux étudiants, aux professeurs et aux anciens étudiants pour être sûr que votre université vous servira bien.

Qui fréquente les universités canadiennes?

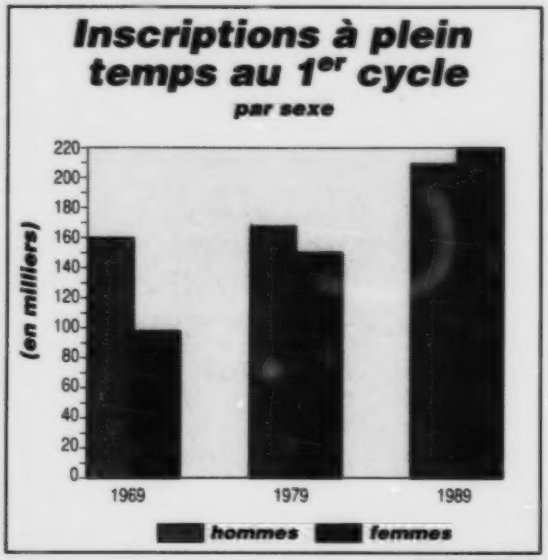
Il est difficile de trouver ces années-ci un étudiant "moyen". Naguère, la majorité des étudiants étaient âgés de 18 à 24 ans, de sexe masculin et de milieu aisé. Aujourd'hui, le modèle traditionnel se voit encore mais beaucoup de choses ont changé.

Les universités canadiennes diplôment aujourd'hui plus de femmes que d'hommes.

Plus en plus de gens choisissent d'étudier à temps partiel. Que ce soit le chef de famille seul qui suit des cours du soir ou le professionnel qui retourne à l'université pour se perfectionner, on s'intéresse de plus en plus à ce régime. Pour répondre aux besoins des étudiants, les universités offrent maintenant davantage de cours du soir, d'été et intersemestriels.

Il y a de plus en plus d'étudiants plus âgés sur les campus. Ces dernières années, les universités ont ouvert davantage leur campus aux citoyens âgés. La plupart suppriment ou réduisent les droits de scolarité pour les personnes de plus de 65 ans.

En outre, un programme spécial amène un bon nombre de citoyens âgés sur les campus tous les étés. Le programme Elderhostel est un réseau de collèges et d'universités d'Amérique du Nord et d'Europe. Il offre à peu de frais de courts programmes d'études en résidence aux personnes de plus de 65 ans et à leurs conjoints et compagnons. Les cours, qui durent généralement à peu près une semaine, sont dispensés par des professeurs réguliers et les sujets sont variés, qu'il s'agisse de l'étude des volcans ou d'une tournée des vignobles d'Europe. Plus de 50 universités du pays offrent maintenant des programmes Elderhostel.



Source Statistique Canada

Le total des inscriptions à plein temps au 1er cycle est passé de 264 000 en 1969 à 453 000 en 1989.

Il s'agit d'une augmentation de 72 % au cours de la période de 20 ans.

Les inscriptions se sont accrues d'environ 25 % au cours des années 70, soit de 2,2 % par année.

Les inscriptions se sont accrues d'environ 38 % au cours des années 80, soit de 3,3 % par année.

Cet accroissement se répartissait inégalement entre le secteur masculin et le secteur féminin.

Par exemple, le partage entre le secteur masculin et le secteur féminin s'établissait ainsi : 64-36 en 1969, 55-45 en 1979 et 48-52 en 1989.

Le nombre des femmes inscrites dépassait celui des hommes en 1987 tandis qu'elles représentaient environ le tiers des étudiants à plein temps, au 1er cycle, à la fin des années 60.

Que puis-je étudier?

De l'actuariat à la zoologie, les universités canadiennes offrent des programmes répondant à pratiquement tous les domaines d'intérêt.

Tous les établissements, sauf un petit nombre qui sont très spécialisés, offrent des cours en sciences humaines, sociales, physiques et appliquées. Toutefois, les programmes professionnels tels que la médecine, le droit ou l'architecture ainsi que les études conduisant à une maîtrise ou à un doctorat ne sont pas offerts partout.

Dans la plupart des universités, l'année se divise en deux parties allant de septembre à décembre et de janvier au début de mai. La plupart des étudiants sont admis en septembre. Beaucoup d'endroits offrent aussi des programmes intersemestriels et des cours d'été. Quelques universités ont adopté un régime de trimestres, divisé en trois périodes d'égale durée et admettent les étudiants au début de n'importe quel trimestre.

Dans toutes les universités, il y a habituellement un bref repos (de 10 à 15 jours) pendant la période de Noël. Certaines universités suspendent également les cours pendant une semaine, habituellement en février; c'est la "semaine de lecture" ou "semaine d'études".

On offre aussi des programmes d'alternance entre l'étude et le travail qui permettent aux étudiants de combiner la théorie et la pratique, une session sur campus étant suivie d'une autre de travail à temps plein dans un emploi correspondant au domaine d'études.

Beaucoup d'universités offrent des services et cours spéciaux aux étudiants autochtones. Par exemple, la Brandon University a créé un programme spécial appellé "BUILD" qui prépare des enseignants d'origine autochtone à devenir directeurs d'écoles dans le nord du Manitoba; la Lakehead University offre un cours préparatoire spécial de neuf mois qui donne aux étudiants autochtones les compétences et la base scolaire nécessaires pour suivre son programme de sciences infirmières de quatre ans et la Dalhousie University a un programme de transition d'un an qui aide les étudiants autochtones et noirs de la province, défavorisés en matière d'éducation, à se préparer à entreprendre des programmes de premier cycle. Le Saskatchewan Indian Federated College de Regina est un établissement d'enseignement postsecondaire dirigé par des Amérindiens, qui offre des programmes biculturels, notamment un baccalauréat en service social pour Amérindiens et un certificat d'études en santé amérindienne.

Les cours universitaires offerts au Canada ne sont pas tous dispensés sur les campus. Il arrive que des professeurs se rendent dans d'autres localités de façon à rendre l'enseignement universitaire beaucoup plus accessible à la population.

L'enseignement à distance, dans lequel l'enseignant et l'étudiant sont séparés, est une option de plus en plus populaire. Les universités ont recours à des méthodes tels que les cours par correspondance, les bandes audio, les liaisons informatiques, la câblodistribution et des relais par satellite pour atteindre une clientèle croissante.

On trouvera une liste des programmes offerts par les universités en consultant les pages du présent répertoire consacrées à chacune.

Comment vit un étudiant?

Les universités canadiennes offrent un éventail d'activités et de services qui ajoutent une autre facette enrichissante à l'expérience universitaire. Que vous ayez envie de vous joindre à l'équipe de hockey ou de faire vos premières

armes comme animateur de fin de soirée à la station radiophonique des étudiants, vous trouverez sûrement diverses possibilités dans la plupart des universités.

Pour en savoir davantage sur la vie qu'on mène dans les divers campus, voir la section intitulée "Vie étudiante et services aux étudiants" au chapitre du présent répertoire consacré à chaque université.

Presque toutes les universités fournissent un genre quelconque de logement aux étudiants, sur le campus ou à proximité, dans des résidences, des maisons en rangée ou des appartements ou encore des logements coopératifs administrés par les étudiants. La plupart du temps, l'université aide aussi l'étudiant à se trouver un logement hors du campus.

Dans les plus petites universités, beaucoup d'étudiants vivent sur le campus, dans des résidences administrées par elles. Souvent, on encourage les étudiants de première année à y vivre et beaucoup d'universités leur affectent les logements en priorité.

En plus d'une chambre et des repas, les foyers universitaires offrent souvent des programmes éducatifs ou récréatifs qui servent de complément aux études. Les campus universitaires mettent d'ordinaire un certain nombre de cafétérias, casse-croûte, salles à manger et bistros à la disposition des étudiants en résidence et des externes. De même, on trouve sur la plupart d'entre eux des librairies, des banques et des points de vente d'articles variés tels que du papier, des périodiques et des friandises.

Les sports occupent une grande place dans la vie étudiante sur certains campus. Beaucoup d'universités possèdent des centres dotés d'installations telles que piscines, courts de squash ou salles d'haltérophilie. Les étudiants peuvent participer à des sports récréatifs ou de compétition et les équipes internes et interuniversitaires de nombreuses universités s'adonnent au football, au hockey ou au basketball.

Les frais de participation aux sports prennent ordinairement la forme d'un supplément aux droits de scolarité. D'autre part, les sports font obligatoirement partie du programme dans les trois collèges militaires du Canada.

A peu près partout vous trouverez un cercle ou une association de campus s'adressant à presque tous les domaines d'intérêt, depuis les groupes d'étudiants étrangers jusqu'aux sociétés politiques ou religieuses et aux cercles de ski ou de théâtre. La plupart des universités ont aussi des journaux administrés par les étudiants et certaines ont une station de radio étudiante.

Dans bien des établissements, les activités étudiantes passent par le syndicat ou l'association des étudiants. En plus d'organiser des activités sociales et culturelles, les syndicats étudiants centralisent l'exercice de pressions et les démarches politiques visant à améliorer la vie étudiante en général.

Les étudiants sont représentés à l'échelle nationale par la Fédération canadienne des étudiants (FCE), fondée en 1981 à la suite de 60 ans d'associations étudiantes. La FCE groupe des étudiants du secteur postsecondaire de toutes les provinces sauf le Québec (où les étudiants sont représentés par l'Association nationale des étudiants et étudiantes du Québec (ANEEQ). Selon la FCE, l'organisme avait pour mission d'exprimer les vues des étudiants et pour objectif un système d'enseignement postsecondaire "de première classe et accessible à tous" pour le Canada. Outre son activité politique, la FCE offre divers service à l'échelle du pays, dont une agence de voyages, un programme de travail à l'étranger, un système de rabais sur les achats au détail des étudiants et un réseau de communications électroniques pour les groupes établis sur les campus.

Y a-t-il des services spéciaux?

Divers services spéciaux offerts dans les universités viennent faciliter la vie des étudiants.

Beaucoup d'universités disposent d'une garderie pour les enfants des étudiants et des membres du corps professoral. Il y a aussi les services de conseillers pour les problèmes d'ordre scolaire ou personnel ou encore de l'aide pour trouver un emploi. On trouve couramment des services de santé, généralement assurés par des médecins, des infirmières et des psychiatres. Un bon nombre d'universités, même celles qui ne sont pas confessionnelles, ont un aumônier et plus d'une a une chapelle sur le campus.

Ces dernières années, les universités canadiennes ont fait des progrès appréciables pour ce qui est de rendre les campus plus accessibles aux étudiants handicapés. Des rénovations telles que l'aménagement de rampes et l'abaissement des rebords de trottoirs facilitent le déplacement en fauteuil roulant. D'autres services offerts dans maintes universités sont notamment les "manuels parlants", des ordinateurs à clavier braille et des "oreilles phoniques" qui aident les étudiants affligés de problèmes auditifs à suivre les cours. Certaines universités commencent aussi à offrir des services et de l'aide aux étudiants qui ont des difficultés d'apprentissage.

La plupart des universités chargent un agent de coordonner les services aux étudiants handicapés. D'autre part, une organisation d'envergure nationale appelée Association nationale des étudiants handicapés au niveau postsecondaire a été mise sur pied pour venir en aide à ces étudiants.

L'admission à l'université

Chaque université établit ses propres normes et conditions d'admission.

Toutefois, en général, les universités d'une même province ont les mêmes exigences pour l'admission aux programmes de premier cycle en arts et en sciences.

Dans huit provinces: la Colombie-Britannique, l'Alberta, la Saskatchewan, le Manitoba, le Nouveau-Brunswick, l'Ile-du-Prince-Edouard, la Nouvelle-Ecosse et Terre-Neuve, les étudiants doivent terminer 12 années d'études primaires et secondaires avant d'être admissibles à un programme universitaire de premier cycle.

Les étudiants du Québec doivent obtenir un diplôme d'études collégiales accordé après deux années d'études préuniversitaires à un collège d'enseignement général et professionnel (cégep).

En 1984, le Diplôme de fin d'études secondaires de l'Ontario jusque-là, décerné aux finissants de 12e année et le Diplôme de fin d'études secondaires supérieures de l'Ontario décerné aux finissants de 13e année ont été remplacés par le seul Diplôme d'études secondaires de l'Ontario (DESO). Pour le mériter, l'élève doit obtenir au moins 30 crédits, 16 en cours obligatoires et 14 en cours au choix. S'il veut entrer à l'université, il doit suivre six Cours pré-universitaires de l'Ontario (CPO). On peut suivre les CPO après avoir obtenu le DESO de 30 crédits ou les faire compter comme crédits aux fins du DESO.

Les étudiants qui s'adressent à une université d'une autre province doivent généralement répondre aux mêmes normes d'admission que dans les universités de leur province de domicile. C'est-à-dire qu'un étudiant de Terre-Neuve qui demande son admission à une université du Québec devra quand même avoir terminé la 12e année de Terre-Neuve. Il peut toutefois y avoir des variantes: c'est pourquoi que nous invitons les étudiants qui veulent se renseigner davantage à consulter dans le présent répertoire les chapitres consacrés aux universités.

Les candidats qui ont quitté l'école depuis un certain temps sont souvent considérés par les universités comme "étudiants adultes". L'admission est ordinairement décidée en fonction de chaque cas et les candidats intéressés devraient se renseigner auprès de l'université même.

Combien cela coûte-t-il?

Les droits de scolarité varient d'une province à l'autre et d'un établissement à l'autre. Le tableau de cette page vous donnera une idée de ce à quoi vous pouvez vous attendre. Les autres frais comprennent ordinairement ceux des livres et autres fournitures, les logements et les repas. D'ordinaire, il y a aussi des frais supplémentaires pour les services de santé, les sports ou les sociétés d'étudiants.

Les étudiants n'assument cependant pas seuls tous les frais.

Chaque année, des dizaines de milliers d'étudiants canadiens reçoivent des gouvernements et de divers organismes une aide financière qui leur permet de payer leurs frais d'université.

Frais de scolarité pour les étudiants à temps plein dans les universités canadiennes, 1990-91
Programmes de premier cycle arts et sciences

Province	*Etudiants canadiens*	*Etudiants étrangers*
Terre-Neuve	$1,344	$1,344
Ile-de-Prince-Edouard	$1,840	$3,540
Nouvelle-Ecosse	$1,770- $2,135	$3,470- $4,157
Nouveau-Brunswick	$1,710- $2,135	$3,410- $3,835
Québec	$ 820- $1,012	$4,350- $5,850
Ontario	$1,144- $2,256	$4,018- $6,180
Manitoba	$1,362- $1,698	$1,362- $1,698
Saskatchewan	$1,478- $1,624	$1,478- $2,680
Alberta	$1,168- $2,850	$1,752- $3,745
Colombie-Britannique	$1,620- $5,350	$2,475- $5,350

*Seule l'University of Regina impose des droits supplémentaires

Les universités sont elles-mêmes une source d'aide. Les étudiants des trois cycles peuvent bénéficier de bourses d'études, de bourses d'entretien ou de prêts accordés selon les besoins, l'excellence dans les études, le mérite dans les sports ou d'autres critères tels que la participation aux activités parascolaires. Les bourses peuvent être financées par les établissements eux-mêmes ou par des groupes d'entreprises locales, des diplômés d'université ou des organismes communautaires. On peut se renseigner au sujet des ces bourses auprès de chacune des universités.

Les gouvernements fédéral et provinciaux sont les principales sources d'aide financière sur lesquelles les étudiants canadiens peuvent compter pour poursuivre des études universitaires. Seuls les citoyens canadiens et les résidents permanents au Canada peuvent postuler ces bourses.

Le présent répertoire a été conçu pour vous donner une vue d'ensemble du système universitaire canadien. Pour le reste, à vous de jouer. Personne ne peut choisir une université à votre place. Vous seul savez ce qui importe pour vous et quel genre d'expérience universitaire conviendra le mieux à vos besoins et à vos objectifs. Toutefois, le choix que vous ferez influera sur les quelques prochaines années, tout comme votre passage à l'université influera sur le reste de votre vie.

Christine Tausig
août 1988

Note: Révisé en mars 1991 avec la permission de l'auteur.

Christine Tausig est rédacteur associé d'Affaires Universitaires, le mensuel d'actualité que publie l'AUCC

Note à l'intention des étudiants étrangers

Le Canada est le deuxième pays du monde en superficie et couvre une distance de près de 8,0000 km d'est en ouest. On trouve ses universités partout, depuis Terre-Neuve sur l'océan Atlantique jusqu'à l'Ile de Vancouver, au bord de l'océan Pacifique.

En dépit de sa taille, le Canada est un pays à la population clairsemée qui atteint à peine plus de 25 millions. Il est divisé en dix provinces et deux territoires. Il n'y a pas de système national d'éducation et aucun bureau du gouvernement central n'est responsable de l'éducation. Chacune des dix provinces a son propre système d'enseignement, du niveau primaire au niveau universitaire.

Vous trouverez dans les universités canadiennes deux langues d'enseignement, l'anglais et le français. Soixante-cinq universités dispensent des cours en anglais seulement, vingt-et-unes en français. Il y a aussi six universités bilingues.

Dans un certain nombre de provinces, on exige des frais de scolarité plus élevés des étudiants étrangers que des Canadiens. Vous trouverez plus de détails à ce sujet au tableau de la p.xLii Les étudiants étrangers ne sont pas admissibles à l'aide du gouvernement fédéral ou des provinces dans le cadre du Programme canadien de prêts aux étudiants.

Toutefois, les étudiants étrangers parrainés par des organismes tels que l'Agence canadienne de développement international ou la Banque mondiale ne paient pas de droits de scolarité différenciés.

Il n'existe pas de test ou d'examen d'admission applicable partout au Canada, quoique les établissements exigent habituellement une preuve de compétence dans la langue d'enseignement. Chaque université établit ses propres conditions d'admission et décide de l'admissibilité des candidats en évaluant leur dossier scolaire. Il vaut donc mieux communiquer avec l'université canadienne où l'on souhaite étudier au moins une année avant la date où l'on souhaite entreprendre un programme.

Il y a des universités qui contingentent le nombre d'étudiants étrangers qu'elles admettent à certaines facultés.

Pour obtenir des détails sur les conditions d'admission, les programmes offerts et les frais, on peut consulter le chapitre du présent répertoire consacré à l'université ou communiquer directement avec celle-ci.

Plusieurs publications peuvent renseigner davantage les étudiants étrangers sur les études au Canada. Une brochure de l'AUCC intitulée "Notes à l'intention des étudiants étrangers" donne les détails des conditions de candidature. On peut l'obtenir gratuitement de l'AUCC, 151, rue Slater, Ottawa (Ont.) K1P 5N1.

On voudra peut-être aussi consulter le Guide à l'intention des étudiants étrangers, publié par le Bureau canadien de l'éducation internationale.

Organismes mentionnés

Affaires indiennes et du Nord Canada, Ottawa, Ontario, K1A 0H4. Téléphone: (613) 997-9258.

Agence canadienne de développement international, Place du Centre, 200, Promenade du Portage, Hull (Québec), K1A 0G4. Téléphone: (819) 997-5456.

Association canadienne des professeurs d'université, 294, rue Albert, Bureau 308, Ottawa (Ontario), K1P 6E6. Téléphone: (613) 237-6885.

Association des collèges communautaires du Canada, 110 ouest, av. Eglinton, 2e étage, Toronto (Ontario), M4R 1A3. Téléphone: (416) 489-5925.

Association des facultés de médecine du Canada, 151, rue Slater, Bureau 1006, Ottawa (Ontario), K1P 5N1. Téléphone: (613) 237-0070.

Association des universités de l'Atlantique, 1668, rue Barrington, Bureau 300, Halifax (Nouvelle-Ecosse), B3J 2A2. Téléphone: (902) 425-4230.

Association des Universités et Collèges du Canada (AUCC), 151, rue Slater, Ottawa (Ontario), K1P 5N1. Téléphone: (613) 563-1236.

Association nationale des étudiants handicapés au niveau postsecondaire (NEADS), Salle 513 Unicentre, Carleton University, Ottawa (Ontario), K1S 5B6. Téléphone: (613) 233-5963.

La Banque mondiale, 1818 N.O., rue H, Washington D.C. 20433. Téléphone: (202) 477-1234.

Bureau canadien de l'éducation internationale (BCEI), 85, rue Albert, Bureau 1400, Ottawa (Ontario), K1P 6A4. Téléphone: (613) 237-4820.

Colombie-Britannique - Tri-Universities President's Council, University of Victoria, P.O. Box 1700, Victoria, British Columbia, V8W 2Y2. Téléphone: (604) 721-7985.

Colombie-Britannique - Universities Advisory Council of British Columbia, Ministry of Advanced Education and Job Training, Universities Division, Parliament Buildings, Victoria, British Columbia, V8V 1X4. Téléphone: (604) 387-6181.

Commission de l'enseignement supérieur des provinces Maritimes (CESPM), 450, King's Place, C.P. 6000, Fredericton (Nouveau-Brunswick), E3B 5H1. Téléphone: (506) 453-2844.

Conseil de recherches en sciences humaines du Canada, 255, rue Albert, C.P. 1610, Ottawa (Ontario), K1P 6G4. Téléphone: (613) 992-0691.

Conseil de recherches en sciences naturelles et en génie du Canada, 200, rue Kent, 5e étage, Ottawa (Ontario), K1A 1H5. Téléphone: (613) 995-6295.

Conseil de recherches médicales du Canada, Immeuble Jeanne Mance, Tunney's Pasture, 20e étage, Ottawa (Ontario), K1A 0W9. Téléphone: (613) 954-1809.

Conseil des ministres de l'Education (Canada), 252 ouest, rue Bloor, Bureau 5-200, Toronto (Ontario) M5S 1V5. Téléphone: (416) 964-2551.

Conseil des premiers ministres des Maritimes, C.P. 2044, 5161, rue George, Bureau 1006, Halifax (Nouvelle-Ecosse), B3J 2Z1. Téléphone: (902) 424-8976.

Conseil des recteurs d'université de l'Ouest canadien (CRUOC), Simon Fraser University, Cabinet du recteur, Burnaby (Colombie-Britannique), V5A 1S6. Téléphone: (604) 291-4641.

Conseil national de recherches Canada, rue Montréal, Immeuble Administration, M-58, Ottawa (Ontario), K1A 0R6. Téléphone: (613) 993-9101.

Canadian University Service Overseas, (CUSO), 135, rue Rideau, Ottawa (Ontario), K1N 9K7. Téléphone: (613) 563-1242.

Elderhostel Canada, Corbett House, 29 avenue Prince Arthur, Toronto (Ontario), M5R 1B8. Téléphone: (416) 964-2260.

Emploi et Immigration Canada, Ottawa (Ontario), K1A 0J9. Téléphone: (613) 994-7141.

Fédération canadienne des étudiants (FCE), 126, rue York, Bureau 300, Ottawa (Ontario), K1N 5T5. Téléphone: (613) 232-7394.

Fédération canadienne des sciences sociales, 151, rue Slater, Bureau 415, Ottawa (Ontario), K1P 5H3. Téléphone: (613) 238-6112.

Forum entreprises-universités, 1155 ouest, boulevard Dorchester, Bureau 2501, Montréal (Québec) H3B 2K4. Téléphone: (514) 876-1356.

Manitoba - Manitoba Universities Grants Commission, 1550-155 Carleton Street, Winnipeg, Manitoba, R3C 3H8. Téléphone: (204) 945-1833.

Ministère des Finances Canada, L'Esplanade Laurier, 140, rue O'Connor, Ottawa (Ontario), K1A 0G5. Téléphone: (613) 992-1573.

Industrie, Sciences et Technologie Canada, 235, rue Queen, Ottawa (Ontario), K1A 1H5. Téléphone: (613) 954-5716.

Nova Scotia Council on Higher Education, 1701 Hollis Street, 6th Floor, Founder's Square, P.O. Box 2086, Station M, Halifax, Nova Scotia, B3J 3B7. Téléphone: (902) 424-6992.

Ontario - Centre de réception des demandes d'admission aux universités de l'Ontario, C.P. 1328, Guelph (Ontario), N1H 7P4. Téléphone: (416) 823-1940.

Ontario - Conseil des universités de l'Ontario, 444 Yonge Street, Suite 203, Toronto (Ontario), M5B 2H4. Téléphone: (416) 979-2165.

Ontario - Conseil ontarien des affaires universitaires (COAU), 700, rue Bay, 7e étage, Toronto (Ontario), M5G 1Z6. Téléphone: (416) 965-5233.

Organisation canadienne des étudiants universitaires à temps partiel, 151, rue Slater, Bureau 1001, Ottawa (Ontario) K1P 5N1. Téléphone: (613) 563-1236, locale 270.

Programme canadien de prêts aux étudiants, Direction de l'aide aux étudiants, Secrétariat d'Etat, C.P. 2090, Succursale D, Ottawa (Ontario), K1P 6C6. Téléphone: (819) 994-1844.

Québec - Association nationale des étudiants et étudiantes du Québec (ANEEQ), 1581, rue Dufresne, Montréal (Québec), H2K 3J6. Téléphone: (514) 526-5449.

Québec - Conférence des recteurs et des principaux des universités du Québec, C.P. 952, Place du Parc, Bureau 1200, 300, rue Léo-Pariseau, Montréal (Québec), H2W 2N1. Téléphone: (514) 288-8524.

Québec - Conseil des universités du Québec, 2700, boulevard Laurier, 8^{e} étage, Ste-Foy (Québec), G1V 2L8. Téléphone: (418) 643-8592.

Québec - Fédération des associations de professeurs des universités du Québec, C.P. 956, succursale "Place du Parc", Montréal (Québec), H2W 2N1. Téléphone: (514) 843-5953.

Québec - Ministère de l'Enseignement supérieur et de la science, Edifice G, 19e étage, 1033, de la Chevrotière, Québec (Québec), G1R 5K9. Téléphone: (418) 643-6788.

Québec - Service québécois d'accueil aux étudiants étrangers, Ministère de l'Enseignement supérieur et de la Science, 39, rue Saint-Louis, 3^{e} étage,4 Québec (Québec), G1R 3Z2. Téléphone: (418) 643-8218.

Saskatchewan - Federation of Saskatchewan Indian Nations, 107 Hodsman Road, Regina, Saskatchewan, S4N 5W5. Téléphone: (306) 949-8100.

Secrétariat d'Etat, Ottawa (Ontario), K1A 0M5. Téléphone: (613) 997-0055.

Société canadienne pour l'étude de l'enseignement supérieur, Secrétariat de la SCEES, 151, rue Slater, Ottawa (Ontario), K1P 5N1. Téléphone: (613) 563-1236, locale 270.

Statistique Canada, Immeuble R.H. Coats, av. Holland et rue Scott, Tunney's Pasture, Ottawa (Ontario), K1A 0T6. Téléphone: (613) 951-8116.

Union sportive interuniversitaire canadienne (USIC), 1600 James Naismith Drive, Gloucester (Ontario), K1B 5N4. Téléphone: (613) 748-5619.

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Location of Universities and Colleges of Canada/ Emplacement des Universités et Collèges du Canada

The above map indicates the location of universities and colleges that are members of the Association of Universities and Colleges of Canada. For further information on listed institutions, consult the chapter listings that follow.

La carte ci-dessus localise les universités et les collèges qui sont membres de l'Association des Universités et Collèges du Canada. Pour obtenir de plus amples renseignements au sujet des établissements énumérés ci-après, on voudra bien consulter les chapitres qui suivent.

Name of Institution/ Nom de l'établissement	Location/ Endroit	Map no./ No sur la carte
Acadia University	Wolfville, Nova Scotia	38
The University of Alberta	Edmonton, Alberta	5
Athabasca University	Athabasca, Alberta	4
Bishop's University	Lennoxville, Québec	28
Brandon University	Brandon, Manitoba	11
Brescia College	London, Ontario	16
The University of British Columbia	Vancouver, British Columbia	2
British Columbia Open University	Richmond, British Columbia	2
Brock University	St. Catharines, Ontario	20
The University of Calgary	Calgary, Alberta	7
Campion College	Regina, Saskatchewan	10
Camrose Lutheran University College	Camrose, Alberta	6
University College of Cape Breton	Sydney, Nova Scotia	42
Carleton University	Ottawa, Ontario	24
Concordia College	Edmonton, Alberta	5
Concordia University	Montréal, Québec	27
Dalhousie University	Halifax, Nova Scotia	39
Collège dominicain de philosophie et de théologie	Ottawa (Ontario)	24
University of Guelph	Guelph, Ontario	18
École des Hautes Études Commerciales	Montréal (Québec)	27
Huron College	London, Ontario	16
King's College	London, Ontario	16
The King's College	Edmonton, Alberta	5
University of King's College	Halifax, Nova Scotia	39
Lakehead University	Thunder Bay, Ontario	13
Laurentian University of Sudbury/ Université Laurentienne de Sudbury	Sudbury, Ontario	14
Université Laval	Québec (Québec)	30
The University of Lethbridge	Lethbridge, Alberta	8
Luther College	Regina, Saskatchewan	10
The University of Manitoba	Winnipeg, Manitoba	12
McGill University	Montreal, Quebec	27
McMaster University	Hamilton, Ontario	19
Memorial University of Newfoundland	St. John's, Newfoundland	43
Université de Moncton	Moncton (Nouveau-Brunswick)	34
Université de Montréal	Montréal (Québec)	27
Mount Allison University	Sackville, New Brunswick	35
Mount Saint Vincent University	Halifax, Nova Scotia	39
University of New Brunswick	Fredericton, New Brunswick	33
Nova Scotia Agricultural College	Truro, Nova Scotia	40
Nova Scotia College of Art and Design	Halifax, Nova Scotia	39
The Ontario Institute for Studies in Education	Toronto, Ontario	21
Université d'Ottawa/ University of Ottawa	Ottawa (Ontario)	24
École Polytechnique de Montréal	Montréal (Québec)	27

Name of Institution/ Nom de l'établissement	Location/ Endroit	Map no./ No sur la carte
University of Prince Edward Island	Charlottown, Prince Edward Island	36
Université du Québec	Ste-Foy (Québec)	30
-Institut Armand-Frappier	Laval-des-Rapides (Québec)	27
-Institut de la recherche scientifique	Ste-Foy (Québec)	30
-Télé-université	Québec (Québec)	30
Université du Québec en Abitibi-Témiscamingue	Rouyn (Québec)	25
Université du Québec - École nationale d'administration publique	Ste-Foy (Québec)	30
Université du Québec à Chicoutimi	Chicoutimi (Québec)	31
Université du Québec à Hull	Hull (Québec)	26
Université du Québec à Montréal	Montréal (Québec)	27
Université du Québec à Rimouski	Rimouski (Quebec)	32
Université du Québec - École de technologie supérieure	Montréal (Québec)	27
Université du Québec à Trois-Rivières	Trois-Rivières (Québec)	29
Queen's University at Kingston	Kingston, Ontario	23
Redeemer College	Ancaster, Ontario	19
The University of Regina	Regina, Saskatchewan	10
Royal Military College of Canada	Kingston, Ontario	23
Royal Roads Military College	Victoria, British Columbia	1
Ryerson Polytechnical Institute	Toronto, Ontario	21
Université Sainte-Anne	Pointe-de-l'Église (Nouvelle-Écosse)	37
Collège universitaire de Saint-Boniface	Winnipeg, Manitoba	12
St. Francis Xavier University	Antigonish, Nova Scotia	41
Collège militaire royal de Saint-Jean	Saint-Jean (Québec)	27
The University of St. Jerome's College	Waterloo, Ontario	17
St. John's College	Winnipeg, Manitoba	12
Saint Mary's University	Halifax, Nova Scotia	39
University of St. Michael's College	Toronto, Ontario	21
Université Saint-Paul/ Saint Paul University	Ottawa (Ontario)	24
St. Paul's College	Winnipeg, Manitoba	12
St. Thomas More College	Saskatoon, Saskatchewan	9
St. Thomas University	Fredericton, New Brunswick	33
University of Saskatchewan	Saskatoon, Saskatchewan	9
Saskatchewan Indian Federated College	Regina, Saskatchewan	10
Université de Sherbrooke	Sherbrooke (Québec)	28
Simon Fraser University	Burnaby, British Columbia	2
University of Sudbury/ Université de Sudbury	Sudbury, Ontario	14
Technical University of Nova Scotia	Halifax, Nova Scotia	39
University of Toronto	Toronto, Ontario	21
Trent University	Peterborough, Ontario	22
University of Trinity College	Toronto, Ontario	21
Trinity Western University	Langley, British Columbia	3
University of Victoria	Victoria, British Columbia	1
Victoria University	Toronto, Ontario	21
University of Waterloo	Waterloo, Ontario	17
The University of Western Ontario	London, Ontario	16
Wilfrid Laurier University	Waterloo, Ontario	17
University of Windsor	Windsor, Ontario	15
The University of Winnipeg	Winnipeg, Manitoba	12
York University	North York, Ontario	21

Acadia University*

General Information

Address: Wolfville, Nova Scotia B0P 1X0
Telephone: (902) 542-2201
Fax: 902-542-7224
NetNorth: GREEN@ACADIAU.CA
Envoy: JRC.PERKIN
Telex: 0142150

President and Vice-chancellor:
J.R.C. Perkin, MA, DPhil

Inquiries: Direct general correspondence to the registrar, David J. Green, BA, MA

Admissions officer (high school liaison):
Robert Stead, ext. 536

Full-time faculty (1989-90): 257

History and Governance

Acadia University grew out of Horton Academy, established in 1828 by the Baptists of Nova Scotia and Queen's College, founded on the same campus in 1838. Regular instruction in the arts began in 1839; the first graduating class received its degrees in 1843. In 1841 the name Acadia College was adopted and in 1891 the provincial legislature approved a further change to Acadia University.

Acadia University is a non-denominational and co-educational institution. Its main source of support is public funds. The university is administered by a 38-member board of governors. There is also a senate consisting of approximately 46 members.

International Mandate

The international liaison office co-ordinates the university's international development activities, such as contract training programs on campus, insofar as they are within the university's existing resources. It facilitates the university's institutional relations with universities and agencies in other countries, Canadian federal agencies, non-governmental organizations, consulting firms and other business organizations. It also conducts individual contract and consulting work with faculty members. Contact: Mr. David J. Green, registrar. Telephone: (902) 542-2201, ext. 441.

Buildings and Grounds

The university is situated on a 250-acre campus in the town of Wolfville, Nova Scotia (population 3,500). The campus houses 10 academic buildings, a central library with several departmental branches, an administration building, a students' centre, a gymnasium with other extensive sports facilities, 12 students residences, 2 dining halls, a faculty club and a chapel.

Laboratories are available for biology, chemistry, engineering, geology, home economics, languages, and physics. A greenhouse, herbarium and arboretum, and the affiliated Acadia Divinity College are located on the campus.

Libraries

There are 3 libraries on campus, the Vaughan Memorial, which is the main library, and the biology department and science libraries. Current holdings of the 3 libraries total 420,000 volumes, 3,000 periodicals and 110,000 government documents.

Special collections: Eric Dennis Collection of Canadiana
John D. Logan Collection of Canadiana
William Inglis Morse Collection of Rare Editions
Atlantic Baptist Historical Collection
Acadia University Archives

Programs and Degrees

All bachelor's degrees require 4 years (120 hours) beyond Nova Scotia Grade 12 unless otherwise specified. Master's degrees require at least 1 year beyond a 4-year bachelor's degree.

One full credit normally represents a course requiring either 3 lecture hours per week for 2 semesters, or 6 lecture hours per week for 1 semester. One half credit is equivalent to 3 lecture hours per week for 1 semester.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Applied science
Certificate of applied science (CertAppSci) 2-year engineering program (66 hours) providing a broad foundation in areas of pure science and the specialized applied science courses necessary for final 3 years of engineering degree programs offered by the Technical University of Nova Scotia.

Arts
Bachelor of arts (BA) 3 years (90 hours)
Bachelor of arts with major (BA) (90 hours)
Bachelor of arts (honors) [BA(Hons)]
Master of arts (MA)

Business administration
Bachelor of business administration (BBA)

Computer science
Bachelor of computer science (BCS) specialization or honors

Education
Bachelor of education (BEd) 2 years beyond bachelor's degree in arts, science, engineering, or commerce from an approved university leading to BEd and Class 5 teaching certificate of Nova Scotia Department of Education.

* Ordinary member, AUCC

Master of education (MEd) At least 1 year from BEd or equivalent, with at least 2 years successful teaching experience.

Food science
Bachelor of food science (BFS)

Music
Bachelor of music (BMus) Grade 8 applied music required.
Bachelor of arts (major in music) [BA(Mus)] Grade 6 applied music
Bachelor of music education (BMusEd) Grade 6 applied music

Nutrition and home economics
Bachelor of science (BSc)

Recreation and physical education
Bachelor of recreation management (BRM) 4 years
Bachelor of physical education (BPE) 4 years
Master of recreation (MR)

Science
Bachelor of science-general (BSG) 3 years
Bachelor of science-major (BSc) or honors (BScH) 4 years
Master of science (MSc)

Theology (Acadia Divinity College)
Master of arts in theology (MAT)
Master of divinity (MDiv) 3 years from BA or equivalent.
Master of religious education (MRE)
Master of theology (MTh)

Special programs
Co-operative programs: A co-op program in computer science is available.

Continuing education
Winter session: Undergraduate courses in arts, business administration, education and science are offered at various centres.

Correspondence: Certain courses in arts, business administration, education, and theology are offered by correspondence. For further information, contact the office of continuing education.

Summer session: Undergraduate courses are offered in arts, science, business administration, physical education and recreation. Graduate courses are also offered in education.

Admission Requirements

Undergraduate
Nova Scotia: Students who have completed 5 subjects in the Grade 12 university entrance program may be eligible for admission. Applicants must have a minimum average of 60% in their courses; no mark in any subject may be below 50%.

Other provinces: Certificates of equivalent standing are required. Manitoba, New Brunswick, Saskatchewan, British Columbia, Newfoundland, Prince Edward Island and Alberta: The Grade 12 university entrance program is recognized as equivalent to Nova Scotia Grade 12. Ontario Grade 13 and/or 6 Ontario academic credits, and Quebec CEGEP Year 1 are accepted as equivalent to Nova Scotia Grade 12.

Mature students
Mature applicants are considered on an individual basis.

Senior citizens
Individuals 60 and over are normally exempt from all tuition fees as well as from regular admission requirements.

Graduate
Applicants must hold a 4-year undergraduate degree from an approved university with at least a B average in the major during the last 2 years of study. Departments may require additional criteria. Applicants for the MEd program must have a bachelor's degree, BEd or equivalent, 2 years teaching experience and the GRE or Miller analogies test. Applicants for master's degree in psychology must have both the Miller analogies test and the GRE.

International students
Applicants must provide official documents for evaluation. Level of previous educational achievement should be equal to Nova Scotia Grade 12. Applicants whose first language is not English should submit TOEFL results. A minimum score of 560 is required. Enrolment in some programs is limited.

International Baccalaureates are accepted for admission purposes with possible advanced credit as are Advanced Placement (AP) results.

Academic Year
Fall semester: September to December. Winter semester: January to April.
Spring session: May to June. Summer session: July to August.

A full-time undergraduate student is registered for 9 hours of class work or more in a semester. Students registered for less than 9 hours are part-time.

Grading System
The grading system is uniform for all faculties. Excellent: A+, 94-100%; A, 87-93%; A-, 80-86%. Good: B+, 77-79%; B, 73-76%; B-, 70-72%. Average: C+, 67-69%; C, 63-66%; C-, 60-62%. Pass: D+, 57-59%; D, 53-56%; D-, 50-52%. Fail: E and F. A grade point average system is also used ranging from A+=4.33, A=4.00 to D-=0.67, E=0.33 and F=0.

Student Life and Service
Students are represented on the board of governors and on the senate of the university.

All students are members of the students' union. The union manages the Students' Centre, organizes an orientation week in the fall for all in-coming students and

provides a limited free legal aid service. The union is governed by an elected representative council.

Five residences on campus can accommodate 901 women students. Five residences for men accommodate 840 students. These include 2 co-ed residences.

The Students' Centre provides a wide range of facilities and services. These include a cafeteria, TV lounge, auditorium-ballroom, specialty store, meeting rooms, reading lounge, art gallery and music lounge. In addition, there is a vending machine and a complete photographic darkroom.

Students have the opportunity to participate in numerous extra-curricular activities. There are more than 25 organizations and clubs on campus, including the scuba club, the Musicadians, winter carnival, choral society, Radio Acadia, the dramatic society, and the Students' Christian Movement. Most faculties and schools have their own student club.

The university Counselling Centre administers interest and aptitude tests and provides personal, academic and vocational guidance to students. Career counselling is also available at the Canada Employment Centre on campus.

A chaplain offers personal and religious counselling and conducts religious services in the university chapel.

Nursing care and a central infirmary are available to all students. These services are provided without charge to students registered for room and board accommodation. Students living off-campus and requiring hospitalization are charged $12 per day.

Handicapped students are assisted on an individual basis, and residences are available with facilities especially for this purpose. However the university is located on the side of a hill; this may cause difficulty to some handicapped students.

A centrally located bookstore is administered by the university and provides all texts required by the academic program.

Parking facilities are provided around the fringe of the campus and near the residences. An annual fee of $15 is charged to users. A local bus service to nearby communities makes stops on campus.

Research Institute

Acadia University Institute. Executive director: Maurice S. Tugwell, BSc, MSc, PhD

Affiliated Institution

Acadia Divinity College, Wolfville, Nova Scotia B0P 1X0 Telephone, (902) 542-2201 ext. 321. Co-educational theological seminary. Founded in 1968 and located on campus of Acadia University. Undergraduate and graduate institution leading to BTh, MTh, MRE, MDiv. Residential accommodation available. Principal: A.D. MacRae, MA, BD, PhD, DDiv

The University of Alberta*

General Information

Address: Edmonton, Alberta T6G 2E1
Telephone: (403) 492-3111
Fax: (403) 492-7219
Telex: 0372979

President and Vice-chancellor:
Paul Davenport, BA, MA, PhD

Inquiries: Direct general correspondence to the office of the registrar.

High school liaison officer: C.M. Ens, telephone: (403) 492-5088

Full-time faculty (1989-90): 1,600

History and Governance

The University of Alberta was incorporated by an act of the provincial legislature in 1906. Classes opened in 1908 and the first degrees were awarded in 1912.

From 1951 to 1964, the university offered instruction in Calgary as well as in Edmonton, site of the main campus. In 1964 the Calgary campus became autonomous in academic matters and in 1966 it was constituted as a separate provincial institution known as The University of Calgary.

The University of Alberta is a public, co-educational and non-denominational institution. It is governed by an 18-member board of governors, a 60-member senate and a general faculties council.

International Mandate

The office of the associate vice-president co-ordinates international academic agreements and linkages, projects involving human resource development, and liaison with all levels of government relating to international matters. The president's advisory committee on international affairs reviews policy matters, while Alberta International administers and co-ordinates international projects. Ten faculties are very active in international projects and the teaching programs of 8 faculties have an international component. Contact: Dr. Brian Evans, associate vice-president (international affairs). Telephone: (403) 492-2280.

Buildings and Grounds

The university is situated on an 89-hectare site in Edmonton, Alberta. (Edmonton, the provincial capital, has a population of over 600,000). There are 25 major research and teaching buildings, 6 libraries, a students' union building as well as indoor and outdoor recreational facilities, all of which are moderately accessible to disabled students. Six student residences and an affiliated residential college, St. Joseph's, complete the campus.

A 148-hectare university farm is located 3 km south of the main campus. Also adjoining the campus are the University of Alberta hospitals which include facilities such as the Aberhart Memorial Sanatorium, the W.W. Cross Cancer Institute, the Edmonton Veteran's Hospital, the Walter C. Mackenzie Health Sciences Centre, the medical research building, the clinical research building, the Provincial Laboratory of Public Health and the Northern Alberta Jubilee Auditorium.

Parking is extremely limited. Students applying for parking are put on a priority system depending on such criteria as distance from campus, physical disability availability of bus routes, car pools and so forth.

Libraries

The libraries of the university consist of 13 subject collections with a total of over 3.2 million volumes, 700,000 government documents, 20,000 serials, audio-visual resources and a wide selection of research materials in microform.

Special collections: There are 7 major subject collections. The humanities and social sciences library is located in the Rutherford North Library Complex with some units, including an undergraduate collection, located in the Cameron Library. Also housed in the Cameron Library are the general sciences library, with branches for mathematics in the central academic building and for physical sciences in the physics-chemistry building. The John W. Scott Health Sciences Library in the W.C. Mackenzie Health Sciences Centre contains books and periodicals for the fields of medicine, dentistry, nursing, pharmacy, rehabilitation medicine and related basic sciences. The Weir Memorial Law Library is housed in the Law Centre. The Herbert T. Coutts Education Library occupies a wing of the education building and includes a curriculum materials preparation area. Finally, "la bibliothèque Faculté Saint-Jean" is located on the faculte's campus, 6 km east of the main campus. The library contains 60,000 volumes mainly in the humanities and social sciences, with emphasis on French-Canadian history and literature. All materials are in French with some bilingual editions available.

Programs and Degrees

Bachelor's degrees require 4 years (120 units of course weight) of study beyond senior matriculation (Grade 12) unless otherwise specified. Master's degrees require at least 1 year, and in most cases 2 years, after a 4-year undergraduate degree and doctorates require at least 2 years from a master's degree or 3 years from a bachelor's degree unless otherwise specified.

Three units of course weight normally represent 3 lecture hours per week for 1 term. Six units of course weight is usually equivalent to either 3 lecture hours per week for 2 terms or 6 lecture hours per week for 1 term.

* Ordinary member, AUCC

Extra credits may occasionally be awarded for labs or particularly demanding courses.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Note: An asterisk (*) indicates a limited enrolment program.

Agriculture and forestry

Bachelor of science in agricultural engineering (BSc); bachelor of science in agriculture (BSc); bachelor of science in forestry (BSc); bachelor of science in food science (BSc) Interdisciplinary program. Four years beyond senior matriculation or from diploma (with additional high school credits) from a provincial agricultural college.
Bachelor of science in agricultural business management (BSc)* Admission is after 1 year of study in the BSc (agriculture) program or its equivalent.
Pre-veterinary medicine. Two years from senior matriculation. Students selected by Western College of Veterinary Medicine take a further 4 years at the University of Saskatchewan to qualify for the degree of doctor of veterinary medicine. There is a quota of 20 Alberta residents selected for entry into DVM program.
Master of science (MSc)
Master of agriculture (MAg) Minimum 1 year in length. Three years satisfactory professional experience from a bachelor's degree in agriculture required for admission.
Doctor of philosophy (PhD)

Arts

Bachelor of arts (BA)
Bachelor of arts (honors) 3 years following 1 year in the BA program.
Bachelor of arts (Canadian studies) [BA(Canadian Studies)]
Bachelor of arts (special) in criminology (BA)* 3 years, following 1 year in the BA program.
Bachelor of arts (special) in East Asian studies (BA)
Master of arts (MA) At least 2 years from ordinary BA or at least 1 year from an honors BA.
Doctor of philosophy (PhD)

Note: The general degree requires 2 areas of concentration. BA (Canadian studies) calls for a reading knowledge of French and a principal area of concentration with 8 courses specified as Canadian content.

Art and design

Bachelor of fine arts (BFA)* Applicants must present a portfolio.
Master of arts in the history of art and design (MA)
Master of visual arts (MVA) Normally 2 years from 4-year BFA.

Business

Bachelor of commerce (BCom)*
Master of business administration (MBA) 1 year from BCom, 2 from other undergraduate degree.
Master of public management (MPM) 1 year from BCom, 2 from other undergraduate degree.
Doctor of philosophy in business management (PhD)

Dentistry

Diploma in dental hygiene*. Two years from senior matriculation.
Doctor of dental surgery* (DDS) 4 years following 2 years of pre-dentistry beyond senior matriculation.
Master of science (MSc)
Doctor of philosophy (PhD)

Drama

Bachelor of fine arts in acting or theatre design (BFA)* 3 years following a full year of study in the BA program. An audition is required for acting specialization.
Master of arts (MA)
Master of fine arts (MFA)

Education

Bachelor of education (BEd) 4 years from senior matriculation or 2 years from bachelor's degree.
Joint bachelor of education and bachelor of science (BEd/BSc) 5 years from senior matriculation.
Joint bachelor of education and bachelor of physical education (BEd/BPE) 5 years from senior matriculation.
Graduate diploma in education. One year following approved program resulting in a university degree and professional teaching certificate.
Master of education (MEd)
Doctor of education (EdD) Applicants must have several years successful teaching and reading knowledge of appropriate modern language.
Doctor of philosophy (PhD)

Engineering

Bachelor of science in engineering (BSc)*
Master of engineering (MEng) At least 9 months from bachelor's degree in engineering.
Master of science (MSc)
Doctor of philosophy (PhD)

Food science

Bachelor of science in food science [BSc(FdSc)] Administered by interdisciplinary committee of the faculties of agriculture, science and home economics.
Also offered in this discipline are MAg, MEng, MSc, PhD.

Home economics

Bachelor of science [BSc(HEC)]
Master of science (MSc) Usually 2 years from the BSc in home economics.

Law

Bachelor of laws (LLB)* 3 years from any acceptable degree program. In special circumstances, outstanding applicants may be accepted after 2 years of any full-time university program.
Master of laws (LLM)

Library and information studies
Master of library science (MLIS) 1 year from BLS or equivalent.

Medicine
Bachelor of science in medical laboratory science [BSc(MLS)]*
Bachelor of science in medicine [BSc(Med)]* Normally 1 year in branch of medical science after completion of 2 of the 4 years in the MD program.
Doctor of medicine (MD)* 4 years after a degree program. In special circumstances outstanding applicants may be accepted after 2 years of a full-time university program.
Diploma in health services administration. One year after an undergraduate degree.
Master of science (MSc)
Master of health services administration (MHSA) 2 years after undergraduate degree.
Doctor of philosophy (PhD)

Music
Bachelor of music (BMus)* Applicants must pass audition.
Master of music (MMus)
Doctor of music (DMus)

Nursing
Bachelor of science in nursing (BScN)*
Bachelor of science in nursing for registered nurses (BScN-Post-Rn)* 2 years plus summer school after graduation from approved RN diploma program.
Master of nursing (MN)
Certificate in nephrology nursing
Certificate in neonatal nursing
Certificate in critical care nursing

Pharmacy and pharmaceutical sciences*
Bachelor of science in pharmacy (BSc) 4 years after 1 year of pre-professional study.
Master of pharmacy (MPharm) At least 2 years after 4-year BSc in pharmacy. Master of science (MSc)
Doctor of philosophy (PhD)

Physical education and recreation
Bachelor of physical education (BPE)*
Bachelor of arts in recreation administration (BA)* 3 years after 1 year of pre-professional study.
Master of arts (MA)
Master of science (MSc)
Doctor of philosophy in physical education and sports studies (PhD)

Rehabilitation medicine
Bachelor of science in occupational therapy (BScOT)* 3 years after 1 year of pre-professional study.
Bachelor of science in speech pathology and audiology (BSc)* 3 years after 1 year of pre-professional study. Note: This program may be phased into a 2-year master's program, subject to government approval and funding.
Bachelor of science in physical therapy (BScPT)* 4 years from senior matriculation.
Master of science (MSc) Available in all 3 disciplines.

Science
Bachelor of science (BSc) general, specialization and honors program, 4 years from senior matriculation. Note: The computing science program* is a quota program; 3 years after 1 year of pre-professional study.
A 2-year pre-professional program in optometry is also available for preparation for entrance into the school of optometry at the University of Waterloo. A quota of 7 students is in place for applicants from the province of Alberta.
Master of science (MSc) At least 2 years from general BSc or 1 year from honors BSc.
Doctor of philosophy (PhD)

Theology
Individual courses and a continuing education program in theology offered at St. Stephen's College (United) and St. Joseph's College (Roman Catholic), affiliates of the university.

Special programs
Off-campus credit program: Undergraduate and graduate courses, primarily in arts and education, are offered during the evening and on weekends at various off-campus centres in Alberta.

Intersession: A 6-week spring term and summer term of graduate and undergraduate courses offered towards degrees in arts, science, education, graduate studies and business. Teachers proceeding toward a first degree, graduate work or diploma in education may do so through the summer term.

Co-operative programs: The faculty of engineering co-op program is optional within the BSc degree program. It provides students with the opportunity to complete 20 months of supervised, related work experience. This experience is gained in 5 work terms and adds 1 extra year to the length of the degree program. The co-op program is available to all programs in each engineering discipline.

Faculté Saint-Jean: "The faculté" is the bilingual faculty at the University of Alberta, offering degree programs in arts, science and education, primarily in French. It has a separate campus located 6 km east of the main campus including its own residence, library and gymnasium.

The BA (native studies) is the university's newest degree program, housed in the recently created school of native studies.

Continuing education
The faculty of extension offers over 400 continuing education courses, classes and seminars for adults in liberal studies, business, adult education, applied behavioral sciences, English as a second language, law, land economics and real estate, fine arts, local government studies, public administration, and science and technology. The Extension Library, which

maintains a collection of 78,000 volumes and the educational media division, which maintains films, slides, filmstrips, records, videotapes and audio cassettes, supply their materials around the province, upon request. Additional resources open to students of the faculty and the general public include: The Adult Student Centre, the Legal Resource Centre Library, and the Women's Resource Centre.

Admission Requirements

Undergraduate

Alberta: Candidates must have a minimum average of 70% in 5 prescribed Grade 12 subjects.

Other provinces: Candidates presenting equivalent subjects will be considered for admission. Applicants from British Columbia, Manitoba, New Brunswick, Newfoundland, Nova Scotia, Prince Edward Island, Yukon, Northwest Territories and Saskatchewan may apply after Grade 12. Ontario students may apply after Grade 13 or after achieving the appropriate number of OACs. Quebec applicants must complete year 1 of CEGEP. Application fee: $30.

Transfer students

Students who do not meet the usual matriculation requirements and who enter another institution may transfer and be admitted to a degree program at the University of Alberta provided that they have completed all the specific subjects required; and have completed 5 full-course equivalents that are transferable to the university; and have successfully completed this work with a GPA that is satisfactory to the admitting faculty. Note: Non-Alberta residents who wish to transfer must have a cumulative GPA of at least 6.5 or equivalent.

Mature students

Students 24 years of age and permanent residents of the province of Alberta or the Yukon or Northwest Territories who do not meet formal admission requirements may present less than the normal matriculation requirements. Details are available from the registrar's office.

Senior citizens

Senior citizens 65 years and over, must still meet normal admission requirements. They are exempt from tuition fees.

Graduate

Baccalaureate degree with grade point average of at least 6.5 on work done in the last 2 undergraduate years at the University of Alberta or equivalent qualification from another institution and statement from department that the applicant is acceptable to the department.

International students

Certificates equivalent to Alberta Grade 12 in appropriate subjects. CEEB scores recommended. The language of instruction at the university is English except in courses available in French at faculté Saint-Jean. Students whose mother tongue is not English and who have studied English only as a second language are required to demonstrate proof of proficiency in English by presenting TOEFL score of at least 580, including a minimum score of 50 in each component sub-test.

A number of faculties and certain programs within faculties have a quota on enrolment. Up to 85% of the places in quota faculties are normally reserved for Alberta residents. For the remaining places the university's goal is to make 5% of these spaces available to international students and at least 10% to non-Alberta Canadians.

USA: Full academic high school program which must equal the 5 required Grade 12 subjects with an overall average of 70%.

Central and South America: First-year accredited university (normally 30 semester hours) standing in appropriate subjects.

UK, West Indies, East and West Africa, Hong Kong: GCE, HSC or University of Hong Kong matriculation in 5 appropriate subjects including 2 at A-level or in 4 appropriate subjects with 3 at A-level.

Europe and Commonwealth: Final-year secondary school graduation (maturity) certificate.

India, Pakistan and Bangladesh: Bachelor's degree with first division standing.

Japan, Korea and Taiwan: First-year accredited university standing in appropriate subjects.

Philippines: Second-year accredited university standing in appropriate subjects.

Other: Applicants who have completed all or part of the International Baccalaureate program will be considered for admission. Students receive advanced credit or advanced placement, on a subject-by-subject basis, depending on the subject and the level completed. An IB grade of 6 or 7 is required in order to receive advanced credit or placement. Further details are available from the registrar's office, admissions division.

Application Deadlines

Applications for most undergraduate programs must be submitted by June 1 of year in which admission is sought; many deadlines are earlier. Graduate studies applications should be submitted by August 15 and students from abroad should apply 1 month ahead of these dates. Consult the university's calendar for application deadlines to specific programs.

Winter session: First term only (September), application deadline is June 1. Intersession: Application deadline is March 1 for spring term. For summer term: Application deadline is April 1.

Academic Year

Winter session: (2 terms) early September to end of April. Intersession: Spring term, early May to mid-June; summer term, early July to mid-August.

Grading System

Nine-point grading system as follows: Excellent 9,8; Good 7,6; Pass 5,4; Fail 3,2,1. For undergraduate students, passing grade is normally 4; for graduate students

passing grade is 6. Some courses may be taken on a pass/fail basis; required grade-point-average for graduation vary by degree program and are specified by the faculty council.

Student Life and Services

The interests of undergraduate students are the concern of the students' union. The union provides a very wide variety of services, facilities and functions to its members. It houses most of its activities in the students' union building. Offered are such things as an exam registry, a travel agency, a bank, a typing/copying service, a housing registry, an ombudsman service, a drop-in computer laboratory, a student orientation service and so on. Students are actively engaged in the student newspaper and student radio station.

Facilities include 3 food and beverage outlets, a theatre, a games room, a bookstore, a record store, 3 information booths, and a weekly cabaret. In addition the students' union publishes a student directory and handbook every fall. The students' union supports over 180 student-run clubs. These range from campus political clubs, games' societies (war games, go, chess, etc.) to service clubs, sports clubs, ethnic organizations, and special interest clubs (outdoor pursuits, dance club, etc.). The union is administered by an elected executive committee and students' council. Students' union representatives sit on the board of governors, the senate, the general faculties council, the alumni association council and various university committees. Current fees are $46.50 per winter session.

The graduate students' association (GSA) administers and promotes the affairs of full-time and part-time graduate students. It also provides students with official representation in and outside the university and organizes cultural, social and recreational activities. The association is governed by a council that includes a representative from every department offering graduate programs. The GSA is housed in the north power plant where it also operates a food and beverage outlet, a games room and provides weekly entertainment.

To encourage participation in organized and recreational sports programs the university makes available a wide range of athletic facilities. Among these are a main gymnasium, a dance gymnasium, a gymnastics gym, 2 swimming pools, 4 indoor and 5 outdoor tennis courts, a wrestling room, a weight training room, an ice arena, a judo room, 2 aerobics studios, playing fields and a 400-metre all-weather track. There are also handball, racquetball and squash courts. In addition there is the universade pavilion which allows for indoor track and field, volley-ball, basketball, field hockey, badminton and soccer. The athletic services fee of $47 covers the use of these facilities as well as locker and towel service. The University of Alberta participates in and offers a wide variety of sporting activities at both the intercollegiate and intramural levels. The campus recreation unit is comprised of intramural programs, staff fitness and lifestyle programs, non-credit instruction courses and sports clubs. The Rick Hansen Centre is a training and testing centre for disabled athletes. In case of an athletic injury students can be referred to the newly-opened Glenn Sather Sports Medicine Clinic, a state-of-the-art facility located in the universade pavilion and operated jointly by the faculties of medicine, rehabilitation medicine, and physical education and recreation. Specialized programs are available for the recreational athlete to the international-calibre competitor.

Performing arts facilities: The Myer Horowitz Theatre is located in the students union building. It seats 720 and is operated by the students' association. It is used year-round for concerts, ballet, lectures, movies, ceremonies (nursing convocation) and similar presentations. Thrust Theatre, located in the fine arts building, is operated by the drama department and is reserved for second year drama productions (6 shows a year). It seats 150. The main performance venue for the drama department will be established in the Timms Fine Arts Centre. Construction begins in the spring of 1991. Convocation Hall is operated by the music department and seats 450. It is used for classical music concerts, occasional lectures, and very occasionally for ceremonial functions (e.g. installation of new chancellor, special convocation, etc.)

The university is currently able to provide room and board in the dormitory style Lister Hall complex for 1,800 students. Also situated on campus is HUB International, an apartment/shopping mall complex providing accommodation for 900 students in units for 1, 2 and 4 students. Michener Park, a 547-unit married student housing complex consists of 1, 2 and 3-bedroom apartments. Pembina Hall offers 136 on-campus single rooms for graduate and senior students. Accommodation is also available during intersession, for off-campus students, in the Lister Hall residence complex.

The student's union prepares lists of rooms available to students off-campus. A limited number of co-op homes in an adjacent area are available to students. Information is available from the housing registry.

There are 4 day-care centres available to students. Three are situated on the main campus with 136 places. The fourth is located at Michener Park, the married students residence, with places for 43 children. Age limits are from infant/toddler to kindergarten. All centres are eligible for government subsidy.

The office of the dean of students is the university-sponsored department that is concerned with student services and student life. Those working units that comprise this office include: Advisory Services Centre, International Centre, disabled students services, effective writing resources, native student services, student counselling services, university health services, and career and placement services.

The university's International Centre has recently moved into newly-renovated quarters within the HUB mall complex. All services for international students have now been centralized at this location. There are approximately 1,550 international students and 28 international groups which receive services and support from this particular unit.

University Health Services provides comprehensive medical care throughout the year for students and staff. Outpatient and inpatient facilities are available in addition to full-time medical and nursing staff, laboratory, pharmacy, psychiatry and dentistry personnel. The resources of the nearby university hospital are available for consultation and referral. The fee is $14.

Counselling is available to students and prospective students throughout the year at Student Counselling Services. Those registered at the university may use the counselling service for assistance with study skills, vocational planning, personal problems or academic matters such as change of faculty, withdrawal from the university or unsatisfactory standing. This office also houses the mature student advisor, for those students over 25 years of age.

The office of Native Student Services serves both the university and the wider community. It provides an orientation for new students, is the home of the aboriginal student council, and offers meeting and study space for student use.

The Disabled Students Services office provides support services to disabled students to enable them to fully access university facilities and complete their programs of study. The office, through an extensive volunteer program, offers such assistance as notetaking, exam writing, taping or readings, escort service, study help, tutoring, library research help, mobility assistance and special project help.

The Advisory Services Centre includes a full-time student advisor to assist students with academic and non-academic appeals and to explain university rules and procedures. In addition, it provides emergency loans and special bursaries to students who demonstrate financial hardship.

The Career and Placement Services office maintains a full-time employment service on campus on a year-round basis. Students seeking part-time, summer or permanent employment are invited to use this office. Local employers, as well as employers from across Canada, use the service to interview prospective graduates. Interviews commence during the last week of October and continue throughout the academic year. In addition, they offer seminars in résumé writing, job searches and interview skills.

Research Institutes

Alberta Institute of Pedology. Chairman: W.B. McGill, BSA, MSc, PhD

Alberta Law Reform Institute. Director (legal staff): P.J.M. Lown, LLM

Alberta Microelectronic Centre. Chairman: H. Schaefer

Alberta Telecommunications Research Centre. President: R. Fortune

Applied Mathematics Institute. Director: H.I. Freedman, PhD

Boreal Institute for Northern Studies. Director: R. Wein, PhD

Canadian Institute of Ukrainian Studies. Director: B.A. Krawchenko, DPhil

Cancer Research Unit (McEachern Laboratory). Director: A.R. Paterson, MA, PhD

Centre for Advanced Study in Theoretical Psychology. Director: W.J. Baker, PhD

Centre for Criminological Research. Co-ordinator: L.W. Kennedy, PhD

Centre for Experimental Sociology. Director: W.D. Pierce, PhD

Centre for Frontier Engineering Research. President: T. Nasseri, PhD

Centre for Gerontology. Chairman: B.G. Rule, PhD

Centre for Studies in Clinical Education. Director: P. Hagler, PhD

Developmental Disabilities Centre. Director: J.P. Das, PhD

Devonian Botanic Garden. Director: P.N.D. Seymour, BSc

Institute of Earth and Planetary Physics. Director: G. Rostoker, PhD

The Nuclear Research Centre. P. Kitching, PhD

Population Research Laboratory. Director: H. Krahn, PhD

Research Institute for Comparative Literature.

Surgical-Medical Research Institute. Director: R.V. Rajotte, PhD

Theoretical Physics Institute. Director: F.C. Khanna, PhD

Water Resources Centre. Director: D.S. Chanasyk, PhD

Western Centre for Economic Research. Director: E.J. Chambers, PhD

Research Chairs

Agriculture and Forestry:

Alberta Agriculture Research Chair in Animal Science. F.E. Robinson, PhD

Dairy Processing Technology Research Chair. L. Ozimek, PhD

Industrial Forest Management Professorship.

NSERC Industrial Research Chair in Animal Science. G. Foxcroft, PhD

NSERC Industrial Research Chair in Forest Science. K. Kosicki, PhD
Plant Biotechnology Chair. A.A. Szalay, PhD

Poultry Technology Chair. J.S. Sim, PhD

Arts:
Henry Marshall Tory Chair in Anthropology. Milton Freeman, PhD

Huculak Chair in Ukrainian Culture and Ethnography.

Business:
A.F. (Chip) Collins Chair in Finance. R.M. Korkie, PhD

AGT Chair in Business.

Carthy Foundation Chair in Business.

Certified General Accountants of Alberta Chair in Accountancy.

Eldon Foote Chair in International Business and Law.

Imperial Oil Ltd. Chair in Business.

Milner Chair in Organizational Leadership.

Peter H. Pocklington Chair in Private Enterprise.

Principal Group Distinguished Chair in Business.

Ronald K. Banister Chair in Business.

Stephen A. Jarislowsky Distinguished Chair in Finance.

Thornton A. Graham Chair in Business. C.R. Hinings, PhD

Winspear Foundation Distinguished Chair in Professional Accounting. Michael Gibbins, PhD

Education:
David Peikoff Chair of Deafness Studies. J. Schein, PhD

Engineering:
George Ford Chair in Materials Engineering.

Medicine:
Alberta Cancer Foundation Chair in Palliative Care. R.N. MacDonald, MD

Alberta Heart Foundation Chair in Cardiovascular Research. P. Rantahargu, MD

Chair in Environmental Health.

Firefighters' Chair in Burns.

Henri M. Toupin Chair in Neurological Sciences. W. Martin, PhD

Muttart Foundation Chair in Clinical Immunology and Autoimmunity.

Occupational Health Chair. T. Guidotti, MD

Walter Stirling Anderson Chair in Surgery. B.K.A. Weir, MD

Science:
Canadian Institute of Advanced Research in Physics. W. Israel, PhD

Killam Memorial Professor of Science in Physics. H. Umezawa, PhD

Killam Memorial Professor of Science in Psychology. D.W. Schindler, PhD

Affiliated Colleges

Canadian Union College, College Heights, Alberta T0C 0Z0 Telephone, (403) 782-3381. Seventh-Day Adventist. Established in 1907 and affiliated with the university in 1971. Offers 1 year of instruction after senior matriculation. President: R.E. Ganson, PhD

Concordia College, Edmonton, Alberta. See separate entry.

The King's College, Edmonton, Alberta. See separate entry.

North American Baptist College, Edmonton, Alberta T6J 4T3 Telephone, (403) 437-1960. Baptist. Established in 1940 and affiliated with the university in 1988. Offers first year arts courses. President: P. Sewart, PhD.

St. Joseph's College, Edmonton, Alberta T6G 2M7 Telephone, (403) 433-1569. Roman Catholic, co-educational. Established in 1926 as an affiliate of the university with the right to offer undergraduate courses in philosophy and history. The college offers courses in philosophy and Christian theology. Residence for men only. President: R.J. Barringer, csb, MA, DPhil

St. Stephen's College, Edmonton, Alberta T6G 2M7 Telephone, (403) 439-7311. United Church, co-educational. Established in 1927 through the union of Robertson College (1910) and Alberta College South. Affiliated with the university since 1909. Offers courses for credit towards degrees at the university and confers degrees in theology. Provides courses in continuing education for the ministry. Principal: Rev. G.I. Mundle, BA, MDIV, STM, DMIN

Associated Institutions and Agencies

Provincial Laboratory of Public Health. Director: W.L. Albriton, MD, PhD, FRCP

Alberta Research Council. President: C.W. Bowman, PhD

University of Alberta Hospitals. President: D.P Schurman, BCom, MHSA, FACHA

Western Board of Music. Administrative director: S. Munn, AMus, LMus

Athabasca University*

General Information

Address: Athabasca University, Box 10,000, Athabasca, Alberta T0G 2R0
Telephone: (403) 675-6111
Address: Northern Regional Office, Athabasca University, 2nd floor, 108 Street Building, 9942-108 Street, Edmonton, Alberta T5K 2J5
Telephone: (403) 421-8700
Address: Southern Regional Office, Athabasca University, Suite 300, 1040-7 Avenue S.W., Calgary, Alberta T2P 3G9
Telephone: (403) 262-4522
Address: Fort McMurray Centre, Athabasca University, 607, Plaza II, 8600 Franklin Avenue, Fort McMurray, Alberta T9H 4G8
Telephone: (403) 743-1846

President: Terry Morrison, BA, MA, PhD

Inquiries: Direct general correspondence to marketing and communications.
For information about academic programs, contact the registrar.

Full-time faculty (1989-90): 67

History and Governance

Athabasca University was established in 1970 by an order-in-council of the Alberta government to be an undergraduate, degree-granting university. The first convocation was in 1977 and permanent status as a self-governing university was granted in April 1978.

As an open distance university Athabasca University produces and delivers learning programs for adult Canadians who study in their own communities because they are unable to attend a campus-based university.

Athabasca University operates with a unicameral system of governance. The governing council incorporates and carries the full responsibilities of a traditional board of governors (operating policy); general faculties council (academic policy); and the senate (community liaison). The membership comprises 14 public members and a chairman appointment by the lieutenant governor in council, 1 student representative, 1 non-academic staff member, 1 tutor, 5 academic staff members appointed by the Minister, and 4 ex officio members (president and 3 vice-presidents).

International Mandate

The university participates in a number of distance education projects in Thailand, Nicaragua and India which are supported by the Canadian International Development Agency. It also maintains active contacts with distance teaching and open universities in Colombia, Jordan, The Netherlands, the Peoples' Republic of China, Thailand, and the United Kingdom. Contact: Dr. Michael Owen, assistant to the vice-president, academic. Telephone: (403) 675-6184.

* Ordinary member, AUCC

Buildings and Grounds

The most northerly university in Canada, Athabasca University's main campus is in the town of Athabasca 145 km north of Edmonton. In 1984 the university moved to Athabasca from Edmonton. In keeping with the open distance education mandate of the university, no students attend classes at this campus. The central campus houses the library, instructional development and delivery services, registry, student services and support services. Throughout the province, regional offices and local centres provide facilities and services to students.

Library

The Athabasca University Library has 87,250 print volumes, 8,000 audio visual and micro material items and 870 periodical titles. The library provides a distance service by telephone and mail to its students and on-site service to faculty and staff. There is a distance education research collection of approximately 5,000 items. These materials are used for research, course development and delivery and for student services requirements.

Programs and Degrees

Three-credit courses represent 3 lecture hours per week for 1 semester and 6-credit courses are equivalent to either 3 lecture hours per week for 2 semesters or 6 lecture hours per week for 1 semester.

The university offers undergraduate programs leading to the bachelor of administration degree (BAdmin) (3 years - 90 credits), bachelor of arts degree (BA) (4 years - 120 credits), bachelor of general studies degree (BGS) (3 years - 90 credits), and bachelor of nursing (BN) (2 years - 69 credits). Bachelor of administration concentrations are available in 1 of 3 areas: business administration, public administration or organizational behavior. Bachelor of arts concentrations are available in Canadian studies, English, French, history, psychology, or sociology.

The university offers 5 university certificate programs in accounting, administration, French language proficiency, labor relations, and public administration.

These programs require the completion of 50% of the 30 credits at Athabasca University. Up to 50% of the 30 credits may be transferred from another postsecondary institution. Students currently enrolled in a degree, diploma, or certificate program at another postsecondary institution cannot be concurrently enrolled in a university certificate program at Athabasca University.

Athabasca University students learn in their own communities using specially designed independent study materials. For each course, students are assigned a tutor who can be called toll free from anywhere in Canada. Some courses are supplemented by radio and

television programs, audio and video cassettes, seminars, computers, workshops, labs and teleconference sessions.

Athabasca University courses require an amount of study time equal to that spent by a student at a university in classroom sessions and additional study.

Courses are offered in the following areas of study.

Applied studies: Accounting, administration, communication, finance, industrial relations, marketing, nutrition, organizational behavior, law, and management science;

Humanities: English, French, history, and humanities;

Sciences: Biology, chemistry, computer science, environmental studies, geography, geology, and mathematics;

Social sciences: Anthropology, economics, geography, labor studies, philosophy, political science, psychology, social science, sociology and women's studies.

A career and educational planning service is provided by the university to assist students make program decisions and select courses.

For information on admission, transfer credit evaluation (evaluation of previous education), career and educational planning and course selection, consult the calendar which is available from all regional offices.

Admission Requirements

The university has an open admissions policy with 2 entrance requirements: A student must be 18 years of age or older and a Canadian resident. Exceptions may be made to allow younger students to enter but such cases require special consideration by the registrar. The university assists students to determine their chances of success through support services such as pre-enrolment orientation and counselling.

Costs (1989-90)

Fees are paid on a per course basis. Canadian students: $316 per 6-credit course; $186 per 3-credit course. International student fees are 50% higher than for Canadian students. Senior citizens pay no tuition fees except the $25 admission fee and service fees. A one-time, nonrefundable $25 admission fee must accompany the general admission form for first-time students.

The payment of course fees entitles the student to receive all course materials (texts, study manuals and guides, and other instructional materials required to complete the course) and to receive tutorial and other support services for the period of active registration.

All fees are subject to change without notice.

Academic Year

The university does not operate on a traditional semester system. Students start their studies at the beginning of any month, subject to the availability of courses.

Grading System

Each course carries a weight defined in terms of 3 or 6 credits or semester hours. Grades are based on exercises and examinations. The passing grade for all courses is 60% or over. Supplemental examinations are granted only once.

Student Life and Services

The students are represented in university decision-making through membership on various governance committees including the governing council and the academic council.

Students are encouraged to use the university's support services which include pre-enrolment orientation, academic counselling, and career and educational planning. In addition, students may take advantage of instructional services such as seminar and tutorial sessions, and telephone contacts with peers and instructors. Students can contribute articles to Aurora, the Athabasca University magazine, and literary magazine Pegasus.

Regional Structure

Athabasca University has regional offices located in Edmonton and Calgary. These offices register students, distribute course materials, offer student support programs and develop orientation programs.

The regional centre in Fort McMurray provides many but not all of the services offered through the regional offices. The university offers many services in co-operation with other postsecondary institutions throughout Alberta, British Columbia and Saskatchewan.

Bishop's University*

General Information

Address: Lennoxville, Quebec J1M 1Z7
Telephone: (819) 822-9600
Telex: 05836168

Principal: Hugh Scott, MA, MD

Inquiries: Direct general correspondence to the educational liaison office, Mark Campbell, BA, BEd

High school liaison officer: Mark Campbell, BA, BEd, telephone: 1-800-567-2792

Full-time faculty (1989-90): 93

History and Governance

Bishop's University was founded in 1843 as a liberal arts college. It was constituted as a university with the power to grant degrees in 1853. Teaching began in 1845 and the first degrees were awarded in 1854. The university remained under the control of the Church of England until 1947. It is now a co-educational, non-denominational, public institution controlled by a corporation with a 23-member executive committee jurisdiction over business affairs. There is also a 25-member senate.

Bishop's is a predominantly residential university whose primary concern is offering undergraduate education in the arts, sciences and business administration. Its academic programs are broadly based and stress the interrelationships of disciplines rather than their specializations. The residential aspect and small size of the university encourage an informal atmosphere in academic and social situations. Emphasis is placed on personal contact between faculty and students through small classes and frequent use of seminars, laboratories and tutorials. Self-directed study is encouraged with student research projects and special independent study programs.

International Mandate

The university participates in a growing number of international undergraduate exchanges and encourages international faculty exchanges and co-operative research projects. It is planning programs for faculty and students in developing countries. Contact: Dr. William Shearson, vice-principal, external and planning, or Mrs. Elizabeth Towers, international liaison officer. Telephone: (819) 822-9616.

Buildings and Grounds

The university is situated at Lennoxville (population approximately 4,000) in southern Quebec. The campus occupies 500 acres. In addition to academic buildings, a library, chapel, sports and recreation centre, students' centre, bookstore, artificial-ice arena, theatre and homes for some of the faculty are provided on the campus. Most buildings are equipped with ramps and elevators for the physically disabled.

Library

The John Bassett Memorial Library houses a growing collection of 300,000 books, more than 1,420 current periodicals and many government publications and microforms. The library was opened in 1959. In 1970, an addition was completed which doubled the size of the building. Further expansion to the library was completed in the fall of 1990. It provides space for the general services of the library and accommodates over 500 readers with comfortable study and lounge areas. Some special facilities are available for disabled students. Extra assistance can be arranged upon request.

Special collections: P.H. Scowen Eastern Township Historical Collection Honorable C. Gordon MacKinnon Collection of Canadiana.

Programs and Degrees

Bachelor's degrees are generally 90-credit programs for Quebec applicants, and 120-credit programs for out-of-province applicants. The 90-credit program requires 3 years for pass and honors degrees while the 120-credit program requires 4 years. Master's degrees require at least 1 year from the honors bachelor's degree or 2 years from the pass bachelor's degree.

Three credits normally represent 3 lecture hours per week for 1 term. Six credits is usually equivalent to either 3 lecture hours per week for 2 terms or 6 lecture hours per week for 1 term. Extra credits may occasionally be awarded for labs or particularly demanding courses.

For detailed information on programs see **Degree, diploma and certificate programs** chapter.

Arts

Bachelor of arts (BA) pass and honors programs available.
Master of arts (MA)

Business administration

Bachelor of business administration (BBA) pass and honors programs available.
Bachelor of arts with major and minor in business administration.

Education

Diploma in education (for teaching in schools) during a postgraduate year after completion of BA or BSc.
Diploma in education (for teaching in colleges) during a postgraduate year after completion of MA or MSc or honors BA or BSc.
Diploma in advanced studies in education. As for MEd degree but does not require thesis.
Master of education (MEd) 2 years from bachelor's degree plus 2 years teaching experience.

* Ordinary member, AUCC

All education programs, with the exception of the DEd for teaching in schools, may be taken entirely in summer sessions.

For further information contact the graduate school of education at the university address.

Science
Bachelor of science (BSc) pass and honors programs available.
Master of science (MSc)

Theology
Master of theology (MTh)

Continuing education
A variety of credit programs are offered through the continuing education office. Degree credit courses for part-time students are available during the day (May and June) and evening (July and August) summer sessions, and during the fall and winter evening sessions. Off-campus extension courses may also be offered in centres around the Eastern Townships and to local industry. Credit courses are conducted in co-operation with several professional associations. Non-credit courses, conferences and workshops are also sponsored.

Immersion: An English immersion program is scheduled during the summer months in addition to a number of intensive English and French second language courses.

The continuing education office may be reached at (819) 822-9670 or the university address.

Admission Requirements

Undergraduate
Quebec: For admission to a 90-credit program, applicants must normally have completed their CEGEP or collegial diploma (DEC). However, students who have completed at least 22 academic courses in the DEC program will be admitted if they agree to complete their college studies within 12 months following registration. Enrolment in the division of business administration is limited. To be admitted to this division, students must normally have an average of 70% or higher.

Other provinces: For admission to a 120-credit program, applicants must have completed the highest level of studies available at the secondary school level within their province.

Transfer students
Credit for courses taken at the university level will be given at the discretion of the department concerned.

Mature students
Candidates who are 23 years of age or older are considered for admission on their individual merits.

Senior citizens
Applicants aged 65 or more are normally exempt from tuition fees as well as from regular admission requirements.

Graduate
For admission, a student must have obtained a bachelor's degree with honors with Class II standing or its equivalent. Candidates are accepted at the discretion of the appropriate division.

Part-time students
Applicants may be admitted to complete the requirements for a degree.

International students
Applicants will be considered on an individual basis. Generally, high academic standing from secondary school (or equivalent) is expected. International students must supply proof of financial responsibility. Those whose native language is not English must submit TOEFL scores of at least 550.

UK and Commonwealth: Students are generally expected to successfully complete 7 O-levels for admission to the 120-credit degree program or 3 A- levels for admission to the 90-credit degree program. In either situation, minimum passes are not acceptable.

USA: Students must submit SAT scores along with their official school transcripts. A minimum combined score of 1,000 is acceptable for admission.

Application Deadlines

Undergraduates may obtain application forms from the admissions or liaison offices; graduates may obtain applications from the department in which they plan to undertake graduate work. Undergraduate applications for the fall semester should be made before March 1. Undergraduates seeking a January entrance should apply before November 1. Summer school applications must be received by April 1 (for first half) or June 1 (for second half).

Academic Year

Semester credit system. Fall session: September to December. Winter session: January to May. Summer session: Early May to mid-August.

Grading System

First class, 80% and over; second class, 65-79%; third class, 50-64%; failure, below 50%.

Student Life and Services

The students' representative council (SRC) consists of an executive committee and a general council.

The executive committee consists of the president, vice-president of internal affairs, vice-president academic affairs, vice-president media, vice-president external affairs, and the director of finance, all of whom are elected by the students' association. The general council includes the executive committee plus the 4 student senators, 6 students at large (3 on-campus, 3 off-campus), as well as 2 corporation representatives. Radio Bishop's, The Campus (student newspaper), The Quad, the film society, the Outside Inn, the arts and letters society, the Marshalls, and other related organizations are all

administered by the students' representative council. The council serves its constituents by establishing student representation on university governing bodies and committees and by maintaining a variety of activities and organizations of interest to students. The part-time student's association represents its members on various university committees and organizes programs for the benefit of all part-time students.

Bishop's has a diversified athletic and recreation program which makes use of facilities on the campus and in the surrounding area. Interuniversity sports include football, soccer, rugby, volleyball, basketball, skiing, ice hockey and golf. Intramural sports include flag football, tennis, cross-country skiing, golf, volleyball, ice hockey, curling, ball hockey, sponge hockey, basketball, badminton, broomball, squash and softball. Individual sports include road racing, judo, karate, skiing, curling and swimming.

A variety of entertainment and cultural events are sponsored; dramatic and music productions and symposia are held in Centennial Theatre. Students publish a weekly newspaper and broadcast daily from CJMQ, the student radio station. Club interests include academic, political and social topics.

The students' council maintains an exchange program with the University of Alberta. Bishop's is a participant in the World University Service of Canada seminars, Canadian Crossroads International summer programs and Canadian University Service Overseas.

There are 7 residences housing 150 students in both co-educational and single-sex accommodations. Abbott, Munster and Kuehner Halls offer single rooms with adjoining bathrooms, and the Norton, Pollack, MacKinnon and Divinity residences provide the choice of single or double rooms. In all residences the rooms are furnished, maid service is supplied and all students eat in Dewhurst Dining Hall. An off-campus housing service is also available.

The university bookstore handles text books and caters to the needs of the university community for auxiliary supplies.

Most university facilities are accessible to handicapped students and special arrangements are made where necessary to satisfy the needs of the handicapped.

The university operates a health service which is available to resident and non-resident students.

A student counselling service provides personal, educational and vocational counselling to all students.

The student placement office provides information about job openings, arranges contacts with representatives of business, industry, government, community services, and universities, and assists students in presentation of credentials. A variety of part-time jobs on the campus are available to students throughout the calendar year.

St. Mark's Chapel on campus is the centre of Christian worship for all members of the university community and is under the ecclesiastical jurisdiction of the Anglican Bishop of Quebec. Services are arranged during term time by a warden who keeps in touch with the clergy and with the religious needs and requests of the students and faculty.

City of Sherbrooke transit buses pass through the university at regular intervals throughout the day. Full parking facilities are also available to students.

Affiliated Institute

Thomas More Institute for Adult Education, 3421 Drummond Street, Montreal, Quebec, H3G 1X7 Telephone, (514) 842-5076. Graduates of the institute are granted the bachelor of arts degree by Bishop's University under an affiliation agreement concluded between the 2 institutions in 1974. The degree program of the Thomas More Institute is designed for mature adults, normally over 23 years of age, and offers such persons a special opportunity to continue their formal education in the liberal arts tradition. President and director of studies: Miss C. Tansey

Brandon University*

General Information

Address: Brandon, Manitoba R7A 6A9
Telephone: (204) 728-9520
Telex: 0350272
Fax: (204) 726-4573

President and Vice-chancellor:
Dr. C. Dennis Anderson

Inquiries: Direct general correspondence to the registrar

Full-time faculty (1989-90): 202

History and Governance

Brandon University is the outgrowth of Brandon College, which was originally organized in 1899 by the Baptist Union of Western Canada. In 1938 it became non-denominational and was reorganized as Brandon College Incorporated. Teaching at the college began in 1899. From 1899 to 1910 the college was affiliated to the University of Manitoba and from 1911 to 1938 it was affiliated to McMaster University. From 1938 to 1967 the college was again affiliated to the University of Manitoba which granted degrees to students of the college.

The authority for the organization of Brandon University is the Universities Establishment Act of the legislative assembly of the province of Manitoba of 1966 and an order-in-council passed under the act in January 1967 and revised last in 1982. The order-in-council provides for a 17-member board of governors and 32-member senate. The university is a co-educational, non-denominational, government-supported institution.

International Mandate

The international development projects office co-ordinates and promotes the university's international activities on and off campus, and designs and promotes programs for developing country students and personnel. Activities include staff development and institution building projects in developing countries, faculty research, and guest speakers, seminars, and public lectures on campus on developing country issues. Contact: Dr. P.G. Halamandaris, director, international development projects office. Telephone: (204) 727-7479 or 727-7325.

Buildings and Grounds

The university is situated on an 18-acre site in the city of Brandon (approximate population 38,000). The campus' original buildings now house administrative and faculty offices and a drama centre. New buildings constructed since 1960 include a library and arts building, a 300-seat lecture theatre, a music building, an education building, 3 residences and a dining hall, a physical education building, the Western Manitoba Centennial Auditorium, the J.R. Brodie Science Building, the new music building, and the new student union building. Special research facilities are housed in the J.R. Brodie Science Building and at the H.S. Perdue Wildlife Research Station at Plum Lake, 45 miles from campus.

Where possible, special arrangements are made to accommodate disabled students.

Libraries

There are 3 main libraries on campus holding over 250,000 volumes, 1,800 periodicals and 105,000 government documents. The main library provides general services with emphasis on the arts and science faculties. A collection of books, periodicals, scores and sound recordings is housed in the music library. The Christie Library, with emphasis on the faculty of education, houses a collection of professional books and journals as well as a curriculum collection.

Programs and Degrees

Bachelor's degrees require 3 or 4 years from senior matriculation for general degree, 4 years from matriculation for specialist degree unless otherwise specified.

Three credits is normally equivalent to a half-course requiring 3 lecture hours per week for 1 term. Six credits usually represents a full-course requiring either 3 lecture hours per week for 2 terms or 6 lecture hours per week for 1 term.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts

Bachelor of arts (BA) general (3 year and 4 year) and specialist programs offered.

Education

Bachelor of education (BEd) 4 years from senior matriculation. Certification possible after fourth year.
Bachelor of education (BEd) 2 year program. Holders of BA, BSc, or other bachelor's degree who wish to qualify for teacher certification should choose the BEd (AD) program. The BEd degree is the requirement for certification in the province of Manitoba.
Bachelor of education (5-year BEd) A 1-year program after a BEd degree. Usually completed in a part-time basis.

Music

Bachelor of music (BMus) With specialization in music education, 5 years from senior matriculation; with specialization in performance, 4 years from senior matriculation.
Master of music (MMus) performance and literature, and music education.

Science

Bachelor of science (BSc) general (3-year and 4-year) and specialist programs offered.

* Ordinary member, AUCC

Nursing

The department of nursing offers a 2-year post-diploma bachelor of science in nursing (BScN) for registered nurses and a 2-year post-diploma bachelor of science in mental health (BScMH) for registered psychiatric nurses.

General studies

Bachelor of general studies (BGS) This 3-year degree program is offered to those who have completed the equivalent of 90 credit hours or any 15 courses taken from the various faculties and schools on campus. In some cases, the student may transfer from other universities or from community colleges. The BGS senate committee reviews the overall program.

Special programs

PENT: The project for educating native teachers is a program 5 summers in length (4 full-courses taken each summer) and designed to meet the need for native teachers.

BUNTEP: The Brandon University northern teacher education project enables residents of northern Manitoba to obtain teacher certification. This is an off-campus program that is offered at several locations north of the 53rd parallel.

There are diploma and certificate courses which do not require matriculation as a condition for admission. Certificates in music under the program of the Western Board of Music and the Toronto Conservatory of Music are also available.

Continuing Education

Winter session: Undergraduate evening and Saturday classes are offered in arts, science and education.

Summer session: Courses offered in arts, science, music, and education for undergraduates proceeding to a degree and for teachers who wish to improve their professional qualifications.

Admission Requirements

Undergraduate

Manitoba: Grade 12 graduation or Grade 12 (GED) equivalent as recognized by the provincial department of education.

Other provinces: Students must hold certificates equivalent to high school graduation acceptable for admission to university in the home province. The following certificates are usually accepted as equivalent to Manitoba high school graduation. Alberta: Grade 12 with an average of 60% on 5 Grade 12 courses including English 30. British Columbia: Grade 12 in the academic technical program with a standing of C or better. New Brunswick: Grade 12 in the regular program (course numbers with third digit 2 or 6) with first class standing. Newfoundland: Grade 12 with an overall average of 60% or 10 credits. Nova Scotia: Grade 12 with average of 60% in 5 or 6 subjects. Ontario: Overall average of 60% in 6 Ontario academic courses and/or Grade 13. Prince Edward Island: Minimum average of 60% in 5 or 6 Grade 12 subjects with no grade below 50%. Quebec: DEC from CEGEP or Grade 12 standing from a recognized private school. Saskatchewan: Division 4 standing (21 credits), minimum average of 65% in 7 credits including literature 30 and composition 30. North-West Territories: Alberta Grade 12 with 60% average on 5 credits.

Transfer students

A minimum of 2.0 required on previous university record otherwise admission is reviewed by senate committee.

Mature students

Candidates who have reached 21 years of age by the last day of final examinations for the session to which they apply will be considered. The mature student category is intended for those who do not have the qualifications necessary to gain entrance as regular students.

Senior citizens

Applicants aged 60 or more are not required to meet usual admission requirements. Although tuition is waived for seniors, a fee of $2.00 is assessed for each registration.

International students

Students must present certificates equivalent to the standing required for Canadian students. Students, whether or not in Canada at the time of application, whose mother tongue is not English, must demonstrate acceptable evidence of proficiency in the English language, preferably by way of a minimum score of 550 in TOEFL.

UK and Commonwealth: GCE with 2 or 3 different subjects at A-level or equivalent.

Other: Applicants submitting an International Baccalaureate will be considered for admission.

Application Deadlines

Canadian students applying for spring session must submit applications by April 30; for summer session by June 24; for winter session by August 30. International students must submit applications for admission by July 2.

Academic Year

Winter session: September to April. Spring session: Seven weeks in May and June. Summer session: Seven weeks in July and August.

Grading System

All faculties use a 4-point grade system: A+, A and A-, 4 points; B+, 3.5 points; B and B-, 3 points; C+, 2.5 points; C, 2 points; D, 1 point; F, 0 points. A grade point average of 2 is necessary for graduation in all degree programs except for the BEd (5 year) and BMus which require an average of 2.5.

Student Life and Services

The Brandon University students' union (BUSU) was incorporated in the fall of 1969 by an act of the Manitoba legislature and functions under the law of the Companies Act of the province. The union constitution is set up in the form of corporate by-laws. The World University Service of Canada and the InterVarsity Christian Fellowship are affiliated to BUSU.

The union initiates academic, social and leadership programs for all students attending the university. It is headed by the student council and has 8 representatives on the university senate and 2 on the board of governors. All full-time students are members of the students' union which has vested in it all legislative functions of student government to promote the welfare of the student body. Students serve on numerous senate committees and any BUSU student in good standing is eligible to run for election to the university senate.

Athletics for both men and women include football, soccer, basketball, swimming, wrestling, indoor and outdoor track, hockey, baseball, tennis, golf, badminton, gymnastics and skiing.

The university allows the use of university facilities by student groups of all faiths and co-operates with official agencies of the various faiths. Approximately 60 such organizations are active on campus.

Residence accommodation is available in Cowan Hall for 150 women and in Darrach Hall for 150 men. McMaster Hall, a co-educational residence tower, houses 280 students. An adjoining dining-hall and cafeteria serves 1,000 students. The university housing office provides a register of accommodation available in private homes.

A day-care centre accommodating up to 35 children, average age 4 years, runs independently with subsidies available.

The department of counselling services provides personal counselling for students and refers those requiring academic, medical, psychiatric or spiritual advice to appropriate advisers.

Most Brandon city transit buses pass the university. Full parking facilities are also available to students.

The university's Student Services and the Canada Employment Centre in downtown Brandon both provide advice and assistance to students concerned about vocational choice and career planning. Graduates may meet with prospective employers through a program of on-campus interviews. Assistance is also provided for students seeking part-time or seasonal employment.

A bookstore on campus sells all required texts and related materials.

Brescia College*

General Information

Address: 1285 Western Road, London, Ontario N6G 1H2
Telephone: (519) 432-8353
Fax: (519) 679-6489

Principal: Sister Dolores Kuntz, BA, MA, DipPsych, PhD

Inquiries: Direct general correspondence to the registrar, Mrs. M.K. Hawkins, BA

High school liaison officer: Miss Joanne Gibb, BA

Full-time faculty (1989-90): 23

History and Governance

Brescia College was founded by the Ursuline Sisters in 1919; the first class graduated in 1923. Brescia, the only women's university-level college in Canada, is operated under Catholic auspices and is open to students of all religious faiths and nationalities. The BA and BSc (HEc) degrees received by Brescia graduates are conferred by the University of Western Ontario.

The college is governed by the University of Western Ontario senate, on which the college has 2 voting representatives and a 16-member advisory board.

Buildings and Grounds

The campus adjoins that of the University of Western Ontario in London (population 290,000). The main residence building, opened in 1925 with additions in 1949 and 1972, also accommodates some home economics laboratories. The Mother St. James Memorial Building provides administration offices, classrooms, laboratories and an auditorium. All buildings are wheelchair accessible.

Library

One wing of the Mother St. James Memorial Building houses the Bishop Michael Francis Fallon Memorial Library. The library contains 60,000 volumes and 400 periodicals.

Programs and Degrees

One full credit normally represents 1 full course requiring either 3 lecture hours per week for 2 terms or 6 lecture hours per week for 1 term. One half credit is usually equivalent to 3 lecture hours per week for 1 term.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts

Bachelor of arts (BA) general program, 3 years from senior matriculation. Honors program, 4 years from senior matriculation.

Bachelor of arts (administrative and commercial studies) (BA)

Home economics

Bachelor of science in home economics [BSc(HEc)] 3-year program and 4-year honors program offered jointly by Brescia College and the University of Western Ontario.

Special programs

Preliminary program: A co-educational qualifying year for entrance to first year university. Equivalent of Ontario Grade 13.

Admission Requirements

For general and honors programs and for home economics, same as for the University of Western Ontario. Preliminary program: A minimum of 24 credits toward the ontario secondary school diploma (OSSD) or Ontario Grade 12 with a secondary school graduation diploma. A minimum of 70% average in an academic program oriented toward university studies. Outside Ontario: Equivalent of Ontario Grade 12, based on percentage and rank in class.

Application Deadlines

Same as for the University of Western Ontario.

Costs (1989-90)

Tuition and incidental fees: Per year $1,813.10. International students: Preliminary year $3,549.10; home economics $9,622.10; all other undergraduate programs $6,017.10.

Residence: Room and board for 7 days a week during winter session, $3,910.

All fees subject to change without notice.

Academic Year

Winter session: Early September to end of April.

Grading System

Same as for the University of Western Ontario.

Student Life and Services

Student government is divided into the Brescia College students' council which administers student affairs within the college as a whole and sends representatives to the University of Western Ontario student council, and the Brescia College residence council which concerns itself with residence life.

The college offers accommodation for 174 students. Students share in all academic, social, athletic and cultural university activities with students from the University of Western Ontario. Student services provided by the university are also available to Brescia College students.

* Ordinary member, AUCC. Affiliated with The University of Western Ontario.

The University of British Columbia*

General Information

Address: 2075 Wesbrook Mall, Vancouver, British Columbia V6T 1W5
Telephone: (604) 228-2211
Cable: Grey Point
Telex: 0453296
Fax: (604) 228-3599

President and Vice-chancellor: David W. Strangway, MA, PhD, DLittS, DSc, FRAS, FRSC, PEng

Inquiries: Direct general correspondence to the registrar, Richard A. Spencer, BE, PhD, PEng

Co-ordinator, school and college liaison office: Mary Stott, BA, MBA

Full-time faculty (1988-89): 1,811

History and Governance

The University of British Columbia was established and incorporated by an act of the provincial legislature in 1908. The first degrees were awarded in 1916.

The University of British Columbia is a provincial, non-denominational, co-educational institution. It operates under the authority of the University Act of British Columbia. The university is administered by a 15-member board of governors and an 87-member senate.

International Mandate

The international liaison office provides central support to the university and its units in fulfilling its international mission, helps develop and co-ordinate international policies, programs and services on campus, and hosts international visitors. It also administers exchanges and provides information on the university's international activities to outside agencies. Information on the wide range of the university's international activities is available from the international liaison office. Contact: Mr. Larry R. Sproul, director, international liaison office. Telephone: (604) 228-3114 or 228-3225.

Buildings and Grounds

The 1,000-acre campus is located in a suburb of Vancouver (population of metropolitan Vancouver 1,470,700). There are more than 200 buildings on the site including libraries, administrative buildings, teaching facilities, residences, affiliated institutions, recreational facilities, cultural centres and museums, and a student union building. Also located on the campus are the provincial research council building and the federal fisheries, forestry and agricultural sciences building.

Libraries

The library holds more than 8,000,000 items including microforms. It serves the university through a system of branch libraries and a number of departmental reading rooms. Particularly strong holdings are in the fields of Canadiana, English literature of the 19th and early 20th centuries, Chinese literature and history, forestry, fisheries, and Slavonic studies. Several of these collections are of international importance. The collections of serial publications are especially strong. The Crane Library carries braille, large print and tape recorded materials.

Programs and Degrees

Bachelor's degrees require 4 years of study from secondary school unless otherwise specified. Master's degrees require at least 1 year from an approved bachelor's degree unless otherwise specified. Doctorates require at least 2 years from a master's degree unless otherwise specified.

The basic measure of course credit from most faculties is known as a unit and normally consists of 1 lecture hour a week (or a laboratory period of approximately 2 or 3 hours each week) throughout the winter session. Most faculties, whether or not they use units to designate course weight, make use of the "maximum mark possible" to indicate the weight of a course. A 3 unit course (3 hours of lectures per week throughout the winter session) is graded out of a total of 150 marks; this course approximates a 6 semester-hour or a 9 quarter-hour course. (A course of 1′ units, i.e. 3 semester-hours, is graded out of 75, etc.)

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Agriculture

Bachelor of science in agriculture [BSc(Agr)]
Bachelor of landscape architecture (BLA)
Master of science (MSc)
Master of applied science (MASc)
Doctor of philosophy (PhD)

Architecture

Bachelor of architecture (BArch) 3 years from a bachelor's degree in arts, science or engineering.
Master of advanced studies in architecture (MASA)

Arts

Bachelor of arts (BA)
Bachelor of fine arts (BFA)
Master of arts (MA)
Master of fine arts (MFA)
Doctor of philosophy (PhD)

Audiology and speech sciences

Master of science (MSc)
Doctor of philosophy (PhD)

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Commerce and business administration
Bachelor of commerce (BCom) 3 years following first year of arts or science; combined law and commerce. BCom degree granted after 3 years of commerce and 2 years of law.
Master of business administration (MBA) At least 1 year from a BCom degree, 2 years from other degrees. Also a combined LLB/MBA consisting of 4 winter sessions (September through April) and the spring or summer session.
Master of science in business administration [MSc(BusAdmin)] As for MBA.
Doctor of philosophy (PhD)

Community and regional planning
Master of arts in planning [MA(Planning)] or master of science in planning [MSc(Planning)] 2 years from a bachelor's degree in agriculture, architecture, arts, commerce, engineering, forestry, law, science or social work.
Doctor of philosophy (PhD)

Dentistry
Combined bachelor of science and doctor of dental medicine (BSc/DMD) BSc granted after first year in the DMD program.
Combined master of science in dental science [MSc(Dental Science)] and diploma in periodontics. A 3-year program of post-graduate specialty training in periodontics.
Doctor of dental medicine (DMD) 4 years from third year of arts or science.

Education
Bachelor of education (BEd) (a) Elementary field, 2 years following 3 years of an appropriate course of study at University of British Columbia with an overall average of not less than 65%, or the equivalent at an approved university; (b) secondary field, 12 months plus 4′ units following appropriate bachelor's degree.
Master of arts in education (MA) 1 year from bachelor's degree followed by teacher training and teaching experience.
Master of education (MEd) At least 1 year from BEd or appropriate bachelor's degree; no thesis required.
Doctor of education (EdD)
Doctor of philosophy (PhD)

Engineering
Bachelor of applied science (BASc)
Master of applied science (MASc)
Master of science (MSc)
Master of engineering (MEng)
Doctor of philosophy (PhD)

Family and nutrition sciences
Bachelor of science in dietetics [BSc(Dietet)]
Bachelor of arts in family science (BA)
Bachelor of home economics (BHE)
Bachelor of science in nutritional science (BSc)
Master of science in human nutrition (MSc)
Master of arts in family studies (MA)
Doctor of philosophy in human nutrition (PhD)

Forestry
Bachelor of science in forestry (BSF)
Bachelor of science [BSc(Forestry)]
Master of science (MSc)
Master of forestry (MF)
Master of applied science (MASc)
Doctor of philosophy (PhD)

Law
Bachelor of laws (LLB) 3 years from third year of an undergraduate degree program.
Master of laws (LLM)

Library, archival and information studies
Master of library science (MLS)
Master of archival studies (MAS)

Medicine
Bachelor of medical laboratory science (BMLSc)
Doctor of medicine (MD) 4 years from the third year of arts or science.
Master of science (MSc) At least 1 year from an MD or honors BSc degree.

Music
Bachelor of music (BMus)
Master of music (MMus)
Doctor of philosophy in musicology (PhD)
Doctor of musical arts (DMA)

Nursing
Bachelor of science in nursing (BSN)
Master of science in nursing (MSN) 2 years from BSN

Pharmacy
Bachelor of science in pharmacy [BSc(Pharm)] 4 years from first-year science.
Master of science in pharmacy (MSc)
Doctor of philosophy (PhD)

Physical education
Bachelor of physical education (BPE)
Master of physical education (MPE)

Rehabilitation medicine
Bachelor of science in occupational therapy [BSc(OT)] or bachelor of science in physical therapy [BSc(PT)] 3 years from first year of arts or science.

Science
Bachelor of science (BSc)
Master of science (MSc)
Doctor of philosophy (PhD)

Social work
Bachelor of social work (BSW) 2 years from second-year arts; 1 year from bachelor's degree.
Master of social work (MSW)

Continuing education

Guided independent study (correspondence courses) are offered in a number of fields. Also there are evening courses chiefly in undergraduate arts, education, nursing and science. Summer school offerings include: a) undergraduate courses in arts, education, industrial education, commerce, home economics, physical education and science; b) graduate courses in arts, commerce, education and science.

The following diploma and certificate programs are offered: Engineering and forestry administration, applied creative non-fiction, applied linguistics, art history, education, film/television studies, meteorology, translation French, periodontics and site planning.

Admission Requirements

Undergraduate

British Columbia/Yukon: Senior secondary school graduation. Specific courses are required. Prospective applicants should write to the office of the registrar (admissions) and request a copy of the admissions guide. Credits equivalent to 2 years' university may be given for courses of a recognized postsecondary academic institution. Minimum age 16.

Other provinces: Applicants who have followed an academic program leading to university entrance will be required to present English to the senior year level and all prerequisites for the university program sought.

Completion of secondary school graduation and a minimum average of 'C+' or equivalent is required. The minimum study for a university degree is 4 years. The following requirements apply:

Ontario: Secondary school honors graduation diploma (Grade 13) or Ontario secondary school diploma with 6 Ontario academic courses including English.

Quebec: At least 1 year of an academic diploma program of a CEGEP with an overall average of 75% or a completed CEGEP diploma with an overall average of 70%. Advanced credit for up to 1 full year of degree study may be granted where the 2-year diploma has been awarded.

Alberta, New Brunswick, Nova Scotia, Prince Edward Island, Newfoundland and Northwest Territories: Grade 12 graduation with standing in at least 5 academic Grade 12 subjects including English.

Saskatchewan: Grade 12 graduation with English 30A and 30B and 3 other appropriate academic Grade 12 courses.

Manitoba: Grade 12 graduation with English 300 and 3 other appropriate academic Grade 12 courses numbered 300, 301 or 305.

Note: As enrolment is limited, it may not be possible to admit all applicants who meet minimum admission requirements. Candidates seeking admission to courses leading to a first degree in commerce, pharmacy and rehabilitation medicine must have first-year arts or science from a college or university with adequate standing. For admission to a first degree in dentistry, law and medicine, 3 years beyond secondary school graduation. For admission to a first degree in architecture, archival studies and librarianship, a bachelor's degree.

Senior citizens

Tuition fees will be waived for British Columbia residents who will be 65 years of age during the session for which admission is sought. This does not apply to areas where limited numbers of students can be accommodated.

Graduate

An honors bachelor's or a first professional degree.

International students

The University of British Columbia welcomes applications for admission from outstanding students from other countries. The competition for admission is keen. The following criteria suggest minimum performance levels necessary to be considered for admission:

Academic standing, equivalent to 3.5 (calculated on a 4-point scale; A=4, B=3, C=2, D=1, F=0).

A student whose native language is not English should demonstrate proficiency in English language by obtaining a score of 570 (580 for arts) on the Test of English as a Foreign Language (TOEFL).

Admissibility to a specific program or faculty is dependent on the number of places available and on minimum academic achievement and English language proficiency as determined by the faculty or school.

Official documents or certified/notarized copies of originals for all educational institutions attended are required. There is almost no financial assistance available to students at the undergraduate level.

Students presenting the International Baccalaureate must have satisfactory standing (4 points or better) in 6 appropriate subjects, 3 at the higher level and 3 at the subsidiary level.

UK and Commonwealth: In general, GCE or the equivalent with standing in 5 subjects of which 2 must be at the A-level. Subjects must include English, mathematics or another language and prerequisites appropriate to the intended program of study. Because of differing education systems, some Commonwealth countries may be subject to different admission requirements.

USA: High school graduation on an academic program. The high school subjects must be appropriate to the student's intended program of study and should include 4 years of English and at least 3 of mathematics.

France: Baccalauréat de l'enseignement du second degré or the 'old' Baccalauréat, parts 1 and 2. Grade of 'Assez bien' or better.

Belgium: Diplôme d'aptitude à accéder à l'enseignement supérieur or matriculation on examination from an approved university.

South and Central America: Academic secondary school leaving certificate which admits to an approved university in the home country. Subjects must be appropriate to the student's intended program of study.

West Indies: Same as UK. Cambridge overseas school certificate alternative to GCE.

Hong Kong: Educational level for admission to University of Hong Kong in subjects required for admission to UBC or equivalent through GCE. Individual subject grades required.

For further information, please contact the registrar's office.

Application Deadlines

Winter Session: June 30 for Canadian applicants; April 30 for international students. Spring session: April 1; May 15 for BC applicants; international students must apply by February 28. Summer Session: April 15; BC applicants May 15; international students February 28.

Application deadlines may vary from faculty to faculty. Students are advised to consult with the faculty of interest.

Academic Year

Winter session: Early September to end of April. Summer session: Early July to mid-August. Spring session: Early May to late July.

Grading Systems

Academic standing in each subject is graded as follows: Class 1, 80-100%; Class 2, 65-79%; Pass, 50-64%; Fail, below 50% (below 60% in medicine, dentistry, graduate studies, library and archival studies, nursing and rehabilitation medicine).

Student Life and Services

The alma mater society (AMS) controls all student activities and is responsible for student discipline. The society publishes The Ubyssey, the student newspaper and an introductory handbook about student affairs called Inside. The AMS has over 150 active clubs on campus ranging from the skydiving club to the Chinese literature study group. The society is governed by an elected 5- person student council. The day to day affairs of the society are administered by the student administrative commission which is appointed by the students' council. The student union building (SUB) houses the alma mater society and student facilities including a large ballroom, club areas, recreation areas (bowling alley, pub, lounge), commercial areas, cultural areas (art gallery, auditorium, and reading lounge) and a large cafeteria.

All graduate students are members of the graduate student association. The executive of the association consists of 10 members, 3 of whom are representatives on the alma mater society students' council.

There are 17 student representatives on the university senate and 2 student representatives on the board of governors. All delegates have a 1-year term of office.

All students are eligible to participate in extensive recreational, intramural and extramural sports programs. Student representatives are predominant on each of the men's and women's athletic committees and the intramural board which administer the various programs.

Residence accommodation is available for single students on both a room-only and a room-and-board basis during the winter and summer sessions. A limited amount of family accommodation is available on a yearly basis in both unfurnished suites and townhouses.

An off-campus housing office is located in the Ponderosa Building to help students find accommodation in the Vancouver area. International House can assist international students looking for housing.

Theological colleges provide a limited number of beds in the following residences: Carey Hall (Baptist - women and men); St. Andrew's Hall (Presbyterian - women and men); and Vancouver School of Theology (United Anglican - women, men and families). Fraternities offer limited accommodation.

The student health service is available to registered UBC students who are taking 3 or more units. Services provided include care of illness or injury, preventive medicine, counselling, and antigen and immunization administration. When necessary, hospitalization will be arranged either on or off campus, depending on the type of facility required.

It is advisable for all BC students to have coverage under the medical services plan of BC. Students from other Canadian provinces should maintain coverage under their home province plan. Non-Canadian students are strongly advised to have adequate hospital/sickness insurance coverage. A 3-month coverage should be obtained either in their country of origin or immediately upon arrival in British Columbia. After 3 months, those on either student or working visas may be eligible for the Medical Services Plan of British Columbia.

The student counselling and resources centre offers counselling services to registered students and to students planning to enrol. The office is open during the summer months; students planning to enter the university should arrange for interviews during June, July and August. On matters dealing with course requirements and prerequisites for study programs, students should consult advisers in the faculty in which they are registered or plan to register.

The student counselling and resources centre assists new students in their adjustment to the demands of university life. A variety of methods are employed in orientation.

A program of voluntary aptitude testing, to assist in the determination of educational and vocational goals, is available to all students who are either attending the university or planning to attend.

Fraternities and sororities are recognized by the senate of the university as student organizations. Sororities are governed by the women's Panhellenic Association. Membership in fraternities and sororities is by invitation.

Campus organizations serving students from abroad are International House, World University Service of Canada and Friendly Relations with Overseas Students.

A Canada Employment Centre co-ordinates and administers a placement program for graduate and undergraduate students. Assistance is provided in obtaining permanent, summer and part-time employment.

Students with physical disabilities who are admitted to the university should contact the disability resource centre regarding special services.

The bookstore supplies all textbooks and materials required by students.

Several independent, non-profit, parent-run child-care centres exist on campus. Space is limited. Information can be obtained from: Childcare Co-ordinator, The University of British Columbia, 5510 Osoyoos Crescent, Vancouver, B.C. V6T 1X7.

Members of the university wishing to park motor vehicles on campus during the daytime are required to register them and to obtain appropriate parking permits.

Research Institutes

Arctic and Alpine Research. Director: J. Stager, PhD

Centre for Advanced Technology in Microelectronics. Director: L. Young, MA, PhD, ScD

Centre for Human Settlements. Director: D.J. Hulchanski, BA, MSc, PhD

Centre for Integrated Computer Systems Research. Director: J.M. Varah, BSc, MS, PhD

Centre for Metallurgical Process Engineering. Director: Keith Brimacombe, BASc, PhD, PEng, DIC

Centre for Transportation Studies. Director: T.D. Heaver

Institute of Applied Mathematics. Director: B.R. Seymour, BSc, PhD

Institute of Asian Research. Director: T.G. McGee, MA, PhD

Institute of International Relations. Director: M.W. Zacher, MA, PhD

Resource Management Sciences Committee. Director: L.M. Lavkulich, MSc, PhD

Westwater Research Centre. Acting director: A.H.J. Dorcey, MA, MS

Research Chairs

Advisory Council Chair in Consumer Behavior. G. Gorn, BA, MSc, PhD

Advisory Council Chair in Finance. A. Kraus, BA, MBA, PhD

Advisory Council Chair in Management Science. F. Granot, BSc, MSc, PhD

Albert E. Hall chair in Finance.

Alumni Chair in Management Science. W. Ziemba, BS, MBA, PhD

Alumni Chair in Marketing. C. Weinberg, Scb, MBA, PhD

Arthur Anderson and Co. Alumni Chair in Accounting.

Bank of Montreal Chair in International Finance. M. Levi, BA, PhD

The Belzberg Family Professorship in Medicine. Donald B. Calne, BA, BSc, MA, BM, BCh, FRCPC

B.C. Forest Service Krajina Chair in Silvics and Silviculture. K. Klinka, BSc, PhD, RPF

C.G.A. Chair in Accounting. G. Feltham, B.Com, PhD

Chair in International Trade policy. B. Spencer, BEc, MEc, PhD

Chair in Korean Studies. D. Baker, BA, MA, PhD

Chair in Sikh Studies. H.S. Oberoi, BA, MA, MPhil, PhD

Chair in Trade and International Business. J. Brander, BA, MA, PhD

The CKNW Orphans Fund Chair in Immunology. Aubrey J. Tingle, MD, PhD, FRCPC

Douglas McK. Brown Chair of Law. K.E. Klare, BA, MA, JD

Earle Douglas MacPhee Chair in Management. K. MacCrimmon, BS, MBA, PhD

Edgar F. Kaiser Chair in Organizational Behavior. P. Frost, BSc, MSc, PhD

Eric W. Hamber Chair in Medicine.

Herbert R. Fullerton Chair in Urban Land Policy. M. Goldberg, BA, MA, PhD

James and Annabelle McCreary Chair in Pediatrics.

Maurice Young Chair in Applied Ethics. M. McDonald, BA, MA, PhD

The Mount Pleasant Legion Chair in Community Geriatrics. Martha Donnelly, BSc, MD, FRCPC

NSERC Industrial Research Chair in Animal Welfare.

NSERC Industrial Research Chair in Forest Genetics. Donald T. Lester, BSc, MF, PhD

NSERC Industrial Research Chair in Forest Policy. F. Leslie C. Reed, BA, MA

NSERC Research Chair in Hog Waste Treatment.

NSERC Industrial Research Chair in Hydrometallurgy. Ernest Peters, BASc, MASc, PhD

NSERC Industrial Research Chair in Industrial Automation in the Fish Processing Industry.

NSERC Industrial Research Chair in Metallurgical Process Engineering. J. Keith Brimacombe, BASc, PhD

NSERC Industrial Research Chair in Nickel Alloy Development. Alec Mitchell, BA, MA, DPhil, PEng, CEng

NSERC Industrial Research Chair in Process Control in the Pulp and Paper Industry.

NSERC Industrial Research Chair in Wood Preservation. John N.R. Ruddick, BSc, MSc, PhD

NSERC Industrial Senior and Junior Industrial Chair in the Pulp and Paper Industry

NSERC Industrial Senior and Junior Research Chair in Forest Products Biotechnology. J.N. Saddler, BSc(Hons), PhD (senior chairholder), and C. Breuil, BSc, MSc, PhD (junior Chairholder).

P.H. White Chair in Urban Land Economics.

Real Estate Foundation Junior Faculty Professor. R. Helsley, BS, MA, PhD

Real Estate Foundation Junior Professor in Urban Finance.

Research Chair for a Centre in Integrated Computer Systems.

Research Chair in Petroleum Geology. Ronald D. Johnson, BA, MSc, PhD

The Royal Canadian Legion Professorship in Family Practice. Carol Herbert, BSc, MD, CCFP, FCFP

UPS Foundation Chair in Regulation and Competition Policy. W. Stanbury, BCom, MBA, PhD

UPS Foundation Chair in Transportation. T. Heaver, BA, MA, PhD

Vinod Sood Professor of International Business. I. Vertinsky, BA, PhD

Walter S. Owen Chair of Law. C. Boyle, LLB, LLM

W.M. Hamilton Chair in Industrial Relations. M. Thompson, BA, MSc, PhD

W.M. Young Chair in Finance.

Affiliated Institutions

Carey Hall, 5920 Iona, Vancouver, British Columbia V6T 1J6 Telephone, (604) 224-4308. Baptist residence. Carey Hall is also the centre for pastoral studies and graduate internship programs for the Baptist Union of Western Canada offering courses in applied theology, supervised field education, and continuing education programs for church leaders; working in co-operation with Regent College in terms of the MDiv. Principal: Rev. Philip Collins, BTh, BD, MDiv, DMin, Ordained Minister

Regent College, 2130 Wesbrook Mall, Vancouver, British Columbia V6T 1W6 Telephone, (604) 224-3245. The College is an autonomous body, trans-denominational in character and evangelical and biblical in basis. Regent College offers biblical and interdisciplinary courses of instruction for lay men and women that lead to a 1-year diploma in christian studies, and a 2-year master of christian studies or master of theological studies degree. A 3-year master of divinity degree designed for men and women entering professional ministries is also offered and a fourth post-master of divinity year leading to a master of theology degree. Summer sessions consisting of 1 and 3-week periods as well as 7-week intensive Hebrew and Greek-language session are held each year. The College has formal affiliation with the university. Principal: C.E. Armerding, BD, MA, PhD

St. Mark's College, 5935 Iona, Vancouver, British Columbia V6T 1J7 Telephone, (604) 224-3311. This Roman Catholic residence for men offers a limited number of courses in theology at several levels. It also provides a theological library open to all members of the university, and facilities for worship and pastoral care. Principal: Rev. Paul C. Burns, csb, BA, STB, MA, BLitt, PhD

The Vancouver School of Theology, 6000 Iona, Vancouver, British Columbia V6T 1L4 Telephone, (604) 228-9031. Provides programs for lay men and women and provides graduate degrees in training for the ministry and priesthood. It seeks to be a centre for theological research and dialogue. A graduate summer session is held each year, concurrent with the summer session of the university. Principal: Rev. Arthur Van Seters, BA, BD, ThM, PhD

British Columbia Open University

General Information

Address: 7671 Alderbridge Way, Richmond, British Columbia V6X 1Z9
Telephone: (604) 660-2221 (outside British Columbia) (in British Columbia); 1-800-663-1786
Fax: (604) 660-2272

Principal: Ian Mugridge, BA, MA, PhD

Inquiries: Direct general correspondence to Access Service at the above address. For information about admission and registration contact the registry.

Enrolment (1989-90):
Undergraduate: 5,958

Contract tutors: 62

History and Governance

The Open University is a component of the Open Learning Agency. The Open Learning Agency was established by an act of the British Columbia legislature and formally began operation 1 April 1988. The agency's act is administered by the Ministry of Advanced Education, Training and Technology. Through its legislative mandate, The Open University provides leadership in the development of open learning in British Columbia. Its operations are funded primarily from grants provided by the Ministry of Advanced Education, Training and Technology.

The Open Learning Agency is comprised of the Open University, Open College and Knowledge Network components. When formed, it brought together 2 organizations: The Open Learning Institute (OLI) established in June 1978 and Knowledge Network established in 1980. The Open University, and OLI before it, was given the power to grant degrees. The Open University has granted in excess of 50 undergraduate degrees, with all but 1 granted since its inception in 1988.

The Open University operates an educational credit bank for the province of British Columbia. This allows the Open University to accept an unlimited amount of credit on transfer from other institutions as well as the ability to assess for credit knowledge obtained through means other than recognized postsecondary institutions.

The Open University is governed by an appointed 11-member board of directors and an academic council consisting of representatives from the province's 3 public universities and the Open University.

Buildings and Grounds

The main facilities of the Open University are located in Richmond, British Columbia. The building provides space for administration, library, course development, warehouse/distribution, registry and student services. Students do not attend classes at this facility. Throughout the province, regional offices and learning centres provide facilities and services to students.

Library

The library has an excellent collection of open learning materials. It provides resources for courses development, research and reference for university employees. Students may request material which the library will provide through its extensive links with other institution libraries in British Columbia and across the rest of Canada.

Programs and Degrees

The university grants undergraduate degrees in areas of: BA (administrative studies); BA (general program); BA (major program); BGS (general studies); BA (general science); CBFA (fine art); BFA and BDesign (offered in conjunction with Emily Carr College of Art and Design); BMT (music therapy), (BMT offered in conjunction with Capilano College).

To graduate all students must complete the equivalent of a 4-year (120 credits) program of study. Through the B.C. Educational Credit Bank, part or all of the requirements may be met through other institutions, and by assessment by the Open University.

The Open University uses a credit system where a standard course expected to be completed in a 4-month period is given 3 credits. Students are assigned a course tutor to assist them in the course. Free telephone assistance is available to students anywhere in British Columbia. Educational planning is available free of charge through Access Services, the advising area of the university.

Admission Requirements

The university has an open admission policy for all British Columbia residents age 18 or older. Those who do not meet the requirements should consult the Open University calendar as exceptions are made in certain circumstances for those age 16 and 17 as well as for residents of other provinces and territories of Canada and for residents of other countries temporarily residing in B.C..

Further information on admission, registration, transfer credit evaluation and examinations is available from the registry.

Application Deadlines

The Open University offers most courses on a continuous basis and thus registration proceeds on a continuous basis. Some courses are offered only once or twice a year.

Costs (1990-91)

Fees must be paid in full and prior to registration in courses. The average cost for a 3-credit lower-level

* Provisional member, AUCC

course is $102 plus a text and supply charge and a registration and handling charge.

International students pay 2.5 times the regular tuition fee. Seniors pay no tuition fees but are assessed the full cost of texts and supplies and the registration/handling charge.

There is no general application fee.

All fees are subject to change without notice.

Grading System

Each course carries a credit weight towards a degree program. Grades are based on marked assignments and a final examination. The final examination must be passed to obtain any credit for the course. Letter grades from September 1979 to August 1989 were A, B, C, D, F. From September 1989 to present they are A+, A, A-, B+, B, B-, C+, C, C-, D, F.

Students must present a grade point average of 2.0, or C, based on upper level course work to satisfy graduation requirements.

Brock University*

General Information

Address: Merrittville Highway, St. Catharines, Ontario L2S 3A1
Telephone: (416) 688-5550
Telex: 061-5133
Fax: (416) 688-2789

President: Terrence H. White, BSc, MA, PhD

Inquiries: Direct general correspondence to the registrar, Ronald W. McGraw, BA

High school liaison officer:
Barbara M. Anderson, BA

Full-time faculty (1989-90): 322

History and Governance

The act establishing Brock University was passed by the Ontario legislature in 1964 and was subsequently revised in 1971. The power to grant degrees was accorded at the time the act was passed and the institution exercises that power. Brock University is a provincial university, co-educational and non-denominational whose main source of income is public. The university is controlled by a 32-member board of trustees and a 35-member senate.

International Mandate

The international liaison office maintains contact between the university and international development agencies, and can initiate proposals for co-operation and development. Development projects and exchange programs are carried out at the faculty or department level. Contact: Mr. John Kaethler, international students advisor, student services. Telephone: (416) 688-5550 ext. 3710.

Buildings and Grounds

Brock is located in the south end of St. Catharines (population of 123,000) on the edge of the Niagara escarpment. The 525-acre campus encompasses some of the most inviting woods and countryside in the peninsula. It is within easy commuting distance of all regional centres and has the added advantage of being reasonably close to Toronto, Hamilton and Buffalo.

The university's modern teaching facilities and service buildings include the Schmon Tower which houses administrative and academic offices as well as the library; Thistle Complex of a theatre, lecture halls and seminar rooms; the classrooms, labs and offices of the Mackenzie Chown Complex; the Physical Education Centre; the Campus Centre (better known as the pub); the College of Education; residence; and the theatre facilities of the Brock Centre for the Arts. The College of Education Building contains a gymnasium and theatre facilities. The Physical Education Centre houses an 8-lane, 50 m swimming pool as well as 2 gymnasia, combatives room, fencing-dancing studio, weight and training rooms, 5 squash courts and 1 handball court. Two new buildings, currently under construction, will be ready for occupancy January 1991. They are the Taro Building which will house the faculty of business as well as the department of politics and economics. The second is the Students Centre which will contain the students' union offices, a large store, meeting rooms, photocopy and video game areas and a large pub and food court.

The university has built ramps and has provided library and other equipment at a suitable height to accommodate students in wheelchairs.

Libraries

The university library is housed on 5 floors of the Schmon Tower; collections 800,000 items; individual study accommodation available for 750 readers. Documents Collection contains official publications of all levels of government and international organizations; Fine Arts Collection; Niagara Regional Collection. Listening room contains over 6,000 recordings of music, plays, documentaries and lectures. The library is wheelchair accessible. Private study room and specialized equipment (including reading machines, braillers, talking calculator, tape recorders, magnifying glasses and elevating wheelchair) available for use of disabled. Instructional Resource Centre located in College of Education geared to special needs of college students but available to all students. Map library contains over 50,000 map sheets including complete set of federal topographic maps of Canada, over 500 atlases and 15,000 aerial photographs including coverage of Niagara region dating from 1921 on; available to the community.

Programs and Degrees

Pass bachelor's degrees normally require 3 years (15 credits) and honors bachelor's degrees require 4 years (20 credits) from senior matriculation. Master of arts and science degrees normally require a minimum of 1 year after honors bachelor's degree. Master of education degrees normally require 4 terms of full-time study or, on average, 9 terms of part-time study.

One full credit normally represents 1 full course requiring either 3 lecture hours per week for 2 terms, or 6 lecture hours per week for 1 term. One half credit is usually equivalent to 3 lecture hours per week for 1 term. Extra partial credits may occasionally be awarded for labs or particularly demanding courses.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Administration/Business

Bachelor of administration (BBA) honors
Bachelor of business economics (BBE) pass

* Ordinary member, AUCC

Arts
Certificate in urban and environmental studies. Six approved courses with overall average of 70%.
Certificate in public administration offered by department of politics. Seven approved courses are required.
Bachelor of arts (BA) pass and honors
Master of arts (MA) Minimum 1 year in length.

Education
Bachelor of education (BEd) 1 year from acceptable undergraduate degree leading to additional Ministry of Education (Ontario) qualifications; BEd - TESL (Teaching English as a Second language) 1 year from an acceptable BA.
Concurrent bachelor of arts/bachelor of education in child studies (BA/BEd) and concurrent bachelor of science/education and in general science or mathematics (BSc/BEd). A 4-year program which prepares students for teacher certification.
Master of education (MEd) refer to paragraph 1 'programs and degrees'.
In-service program for teachers seeking additional qualifications; may lead to BEd degree.

Physical education/ recreation and leisure studies
Bachelor of physical education (BPhysEd) pass and honors
Bachelor of recreation and leisure studies (BRLS) pass and honors

Science
Bachelor of science (BSc) pass and honors
Master of science (MSc) Minimum 1 year in length, normally 2 years.

Special programs
Interdisciplinary programs have been established in Asian studies, Canadian studies, Canadian/European community studies, communication studies, environmental science, liberal studies and in urban and environmental studies. Additionally, there are general studies programs in both the arts and the sciences.

Co-operative programs: Third year students enrolled in environmental science and in urban and environmental studies may have the opportunity to participate in a program which combines university study with study-related employment.

First year students may have the opportunity to enrol in the CA co-op program; limited enrolment; faculty of business.

International exchanges: Students in second year or later studying German have the opportunity to spend a year of study in Germany at the University of Freiburg. Brock also participates in the International Student Exchange Program (ISEP) with institutions in the USA and with an exchange program at the University of Swansea, Wales.

Continuing education
Undergraduate courses in administrative studies, arts and science, education, recreation and leisure studies, and physical education are offered in winter evening, spring and summer day sessions for undergraduates proceeding to a degree. In-service education courses for teachers seeking additional qualifications are offered during summer day and winter evening. Master of education courses are offered in winter evening and summer day.

Admission Requirements

Undergraduate
Ontario: Ontario secondary school honors graduation diploma with a minimum 80% average for co-op accounting, 70% average for computer science and information processing and business administration; 80% for concurrent child studies/BEd program and health studies program; 70% for other programs. All applications must be submitted to the Ontario Universities Application Centre in Guelph in accordance with the dates published by the centre.

Other provinces: The following certificates, which must give actual grades or marks obtained in each subject, are normally accepted as equivalent to Ontario Year 5. Alberta, British Columbia, Manitoba, New Brunswick, Newfoundland, Nova Scotia, Prince Edward Island and Saskatchewan: Grade 12 senior matriculation. Quebec: CEGEP general 1 or Grade 12 with high standing.

Mature students
Applicants who are not eligible for regular admission, have been out of school for at least 2 years and are 21 years of age may be admitted as mature students; normally required to pass 2 courses with C average prior to full-time entry.

Senior students
Senior citizens, 60 and over, are permitted to enrol in courses on a regular or audit basis without payment of the regular tuition fee.

Graduate students
For information on master of arts and science programs contact the department concerned. Direct inquiries regarding the master of education program to the registrar's office.

International students
Applicants should write to the office of the registrar for entrance requirements. Five per cent of full-time year 1 admissions are reserved for international students. All applicants whose mother tongue is not English must submit TOEFL scores; a minimum of 550 is acceptable; these applicants will be required to write Brock's English as a second language test as a condition of registration and may be required to take reduced course load; English as a second language courses are offered.

Brock recognizes the International Baccalaureate.

Admission requirements for students from the UK and Commonwealth are a minimum of 2 A-levels and 3 O-levels from distinct areas; from the USA, high Grade 12 with SAT of V-600, M-550 or a total of 1150; students

from other countries are treated individually; normally B average required in secondary school graduation.

Application Deadlines

Undergraduate: Fall/Winter terms mid-August, 1988. Graduate: Master of education - summer, March 27; fall, mid-June; winter, November 28. Master of arts and science, flexible.

Academic Year

Winter session: Early September to late April. Spring session: Late April to early July. Summer session: Early July to mid-August.

Grading System

A (first class honors), 80% and over; B (second class honors), 70 to 79%; C (satisfactory), 60 to 69%; D (pass), 50 to 59%; F, below 50%. Lowest passing grade, 50%. C average required for graduation.

Student Life and Services

All students are members of Brock University students' union (BUSU). Each spring union members elect a president to preside over BUSU and students' administrative council (BUSAC) comprised of student representatives from each department of the university. BUSU sponsors orientation week, the General Brock store, Press (student newspaper), Radio Brock, book exchange, college films and more than 40 special interest clubs. Students have access to ombudsman. BUSU manages the on-campus pub.

Students participate in university policy-making by electing 4 representatives to sit on senate and 3 to sit on board of trustees. A bank and bookstore are located on campus.

Athletic facilities: Recreational, instructional, intramural and intercollegiate activities revolve around the Physical Education Centre. Intercollegiate programs: Women's teams compete with other universities in basketball, fencing, rowing, volleyball, cross country running, tennis, soccer and swimming; men's teams compete in basketball, cross country running, curling, fencing, golf, hockey, rowing, rugby, soccer, tennis, volleyball, swimming and wrestling. Recreation: Squash and handball courts as well as outdoor tennis courts, clubs for badminton, tai chi, skating, kung fu, fencing, field hockey, frisbee, gymnastics, judo, karate, parachute jumping and scuba diving; new clubs organized according to demand; instruction offered in cross country skiing, dance, downhill skiing, fitness, raquetball, squash, trampoline, tennis, weight training and yoga as well as through recreational clubs program.

Residences: DeCew, 10 'linked' houses accommodate 418 men and women; Queenston, adjacent to General Hospital in downtown St. Catharines, accommodates 235 students; regular bus service available plus special shuttle for Queenston residents only; Shaver, situated across the road from main campus and considered as part of DeCew Residence, houses 31 students; The Village houses 360 students in townhouse residences including specially equipped rooms for 6 handicapped students. A housing office is available to assist students with non-residence accommodation.

Day care: Rosalind Blauer Centre for Child Care, open to children of community as well as for children of students, faculty and staff; regional subsidy available to eligible parents; located in College of Education building.

International services: International student adviser offers assistance regarding immigration, health, banking, accommodation, etc., provides liaison with instructors, administration and community. Host family program creates opportunity for students to meet with Canadian families.

Counselling centre: The Counselling Centre provides a variety of psychological and educational services to help students take full advantage of university experiences: Personal development, learning skills and career planning. Programs in study skills, effective reading, writing, seminar skills and anxiety management offered throughout the year. Resource room contains tapes, books and pamphlets. Acting director: Cathy Closse, ext. 3240.

Medical services: Physician in attendance 2 hours each day; nurse in attendance 8 am to 3 pm Monday to Friday, September to May. All students must have OHIP coverage.

Handicapped students (Hearing-impaired, mobility impaired, visually-impaired and learning disabled): The university has built ramps and has provided library and other equipment at a suitable height to accommodate students in wheelchairs. Special equipment, e.g. brailler and talking book machine, is available for blind students. In addition arrangements may be made to provide the services of the reading clinic or counselling centre to those who need them as well as making provision to write exams and tests under special arrangements which may range from extra time to oral exams to special examination rooms. For assistance, contact Susan Wheeler co-ordinator of students with special needs, ext. 3242.

Ombudsman: An ombudsman is elected by the student body each year.

Employment office: Student placement office helps students including following: Permanent employment, on-campus recruiting program for graduate and graduating students; listing of career opportunities with companies not recruiting on campus; federal and provincial government recruitment information; career night; on-campus briefings and seminars; summer employment; on-campus recruitment program for undergraduate students; listing of summer job opportunities; government sponsored summer exchange programs; part-time employment; listing of part-time job opportunities for undergraduate students; job registration, completing applications, preparation for interview, resume writing; creative job search techniques; employment counselling, career information library, information on career planning.

Research Centre

Brock Centre for the Arts presents an annual fine arts and series featuring both Canadian and international performers in dance, theatre and music. Local professional and amateur theatre companies and orchestras also perform in its 2 theatres throughout the year. Each theatre has a capacity of 520.

Affiliated College

Concordia Lutheran Theological Seminary, P.O. Box 1117, 470 Glenridge Avenue, St. Catharines, Ontario L2R 7A3 Telephone, (416) 688-2362. Established in 1976, the seminary functioned as an extension of Concordia Theological Seminary, Fort Wayne, Indiana, USA. In 1982, it became an incorporated institution in the province of Ontario and in the same year became an affiliated college of Brock University. Brock awards the degree of master of divinity and master of theological studies. President: Jonathan Grothe, MDiv, STM, ThD

The University of Calgary*

General Information

Address: 2500 University Drive, North West, Calgary, Alberta T2N 1N4
Telephone: (403) 220-5110
Telex: 038-21545
Fax: (403) 282-7298

President and Vice-chancellor: F. Murray Fraser, QC, BA, LLB, LLM

Inquiries: Direct general correspondence to the registrar, Gary J. Krivy, BEd, MEd, PhD

Admission inquiries: Director of admissions

Full-time faculty (1989-1990): 1,352

History and Governance

The University of Calgary had its origin in 1945 when the former Normal School became a branch of the faculty of education of the University of Alberta in Edmonton. It moved to its present campus in 1960. In 1964, the University of Alberta at Calgary gained autonomy in academic matters and in that same year, a faculty of graduate studies was established. The university gained full autonomy in 1966. Present authority to grant degrees is that given by the Universities Act of the Province of Alberta, 1966.

The University of Calgary is a non-denominational, co-educational, provincial university. It is governed by a 19-member board of governors, a 97-member general faculties council (equivalent to the academic senate in most universities) and a 62-member senate which acts as a bridge between the university and the community and which is designed to serve as the public conscience of the university.

International Mandate

The International Centre develops, co-ordinates and strengthens international exchanges, development projects and business activities at the university. Its teaching, research and cultural exchange activities contribute to provincial and federal goals in international development. The Centre provides international business and commerce education programs, and consulting and research services to the city and the province. It also co-ordinates student and faculty exchanges, and manages the university's linkages and twinning arrangements. Contact: Dr. Titus Matthews, Associate vice-president (academic), or Mr. Bill Warden, executive director, International Centre. Telephone: (403) 220-8221.

Buildings and Grounds

The 122 hectare campus is located in Calgary, a city with a population of 692,885. It has grown from 2 buildings in 1960 to 30 today. Exceptional recreational and sports facilities, both indoor and outdoor, are available. City Transit provides frequent service to the heart of the campus and provision is made for parking bicycles, motorcycles and over 6,800 cars. The health sciences centre is situated adjacent to the Foothills Hospital about 1.5 km south-west of the campus. The Kananaskis Centre for Environmental Research is located 60 km west of the city on the forestry reserve. Other teaching research facilities are situated near Priddis and near Calgary.

Library

The university library system, including the medical library in the health sciences centre, the Gallagher Geology Library in the earth sciences building, and the law library in the biological sciences building, contains over 1.78 million volumes of books, journals, documents, and other print materials and 1.8 million microforms, as well as over 1.23 million items in collections of architectural plans, maps, air photos and audiovisual materials. About 13,400 serials are on current subscription. The library system is fully accessible to the disabled. It contains a magnifying reader and audio tapes of a limited selection of textbooks with access to specialized materials through inter-library loan services. A disabled services contact person is available to assist individuals in making any special arrangements for library instruction and research. The university's interest in Canadian studies is reflected in the fine Canadian historical, literary, and architectural archives located in special collections (e.g. Canadian Poetry and Fiction Collection, Canadian Prairies and Arctic Collection) and in the Canadian architectural archives.

Programs and Degrees

Bachelor's degrees require 4 years of study from secondary school unless otherwise specified. Master's degrees require at least 1 year from the honors bachelor's degree and doctorates at least 2 years full-time from a master's degree unless otherwise specified.

Three units normally represent 3 lecture hours per week for 1 term. Six units are usually equivalent to either 3 lecture hours per week for 2 terms or 6 lecture hours per week for 1 term. Extra units may occasionally be awarded for labs or particularly demanding courses.

Diploma programs generally require the equivalent of 1 year of full-time study unless otherwise specified.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts

Bachelor of arts (BA)
Master of arts (MA) 1 year's residence required plus thesis.
Doctor of philosophy (PhD) 2 years' residence required plus thesis.

* Ordinary member, AUCC

Commerce
Bachelor of commerce (BComm) Limited enrolment.
Master of business administration (MBA) No full-time study necessary. Requirements must be completed within 6 years of initial registration, by course of instruction, research report with oral presentation and defence.
Doctor of philosophy (PhD) 2 years' residence required plus thesis.

Communications studies
Master of communications studies (MCS) No full-time study or residence requirement. Students normally expected to complete 2 courses per year and to complete program in 6 years maximum; by course of instruction, project, written and oral exam.

Economics
Master of economics (MEc) No full-time study or residence requirement. Students normally expected to complete 2 courses per year and to complete program in 3 years; by course of instruction, research project and oral exam.

Education
Bachelor of education (BEd) 4 years from senior matriculation or 2 years from approved degree in arts or science. Also joint BEd/BA, BEd/BSc degrees in 5 years. Limited enrolment.
Diploma in education (DipEd) 1 year from approved degree and a professional or permanent professional teaching certificate.
Master of arts (MA) 1 year's residence required plus thesis.
Master of education (MEd) At least 12 months from bachelor's degree. By course of instruction and oral examination. No thesis.
Master of science (MSc) 1 year's residence required plus thesis.
Doctor of philosophy (PhD) 2 year's residence required plus thesis.

Engineering
Bachelor of science in engineering (BSc) Limited enrolment.
Diploma in engineering (DipEn) 4 full courses after approved degree or equivalent.
Diploma in engineering and management (DipEm) 4 full courses after approved degree or equivalent.
Master of science (MSc) At least 1 year full-time from appropriate bachelor's degree in engineering plus thesis.
Master of engineering (MEng) Minimum 1 year from 4 year bachelor's degree in engineering and 2 years' practical professional experience. No residence requirement.
Doctor of philosophy (PhD) 2 year's residence required plus thesis.

Environmental design
Master of environmental design (MEDes) in architecture, environmental science, industrial design or urban and regional planning. Minimum of 3 sessions (fall and winter and 1 other fall session) full-time from appropriate first degree.

Fine arts
Bachelor of fine arts (BFA)
Bachelor of arts (BA)
Diploma in fine arts (DipFA) 9 half courses (27 units) from approved degree in music or equivalent. Taken in 3 summer sessions.
Master of fine arts (MFA) Minimum 2 consecutive terms (fall and winter sessions) full-time from appropriate first degree. A final exhibition with supporting documents forms a part of the degree requirements.
Master of arts (MA) 1 year's residence required plus thesis.

Law
Bachelor of laws (LLB) 3 years full-time after minimum 2 years of university beyond Canadian equivalent senior matriculation. Enrolment is limited.
Master of laws (LLM) Minimum 1 year from LLB. By course of instruction (minimum 3 half courses), oral examination and thesis. Program to be completed in 3 years.

Medicine
Doctor of medicine (MD) 3 years full-time, after 3 full years of university beyond Canadian equivalent senior matriculation, and 2 years of postgraduate training. Enrolment is limited.
Master of science (MSc) 1 year's residence plus thesis.
Doctor of philosophy (PhD) 2 years' residence required plus thesis.

Music
Bachelor of music (BMus)
Master of music (MMus) Minimum 2 consecutive terms (fall and winter sessions) full-time from appropriate first degree. Depending on area of specialization, a compositional project plus analytical essay or a thesis required.
Master of arts (MA) 1 year's residence plus thesis.

Nursing
Bachelor of nursing (BN) Limited enrolment.
Bachelor of nursing (BN) For registered nurses. Two year program for registered nurses who possess senior matriculation. Limited enrolment.
Master of nursing (MN) Minimum 6 full courses for registered nurses from appropriate first degree; by course of instruction, oral and written exam.

Physical education
Bachelor of physical education (BPE) 3 years from senior matriculation. Honors program, 4 years from senior matriculation. Limited enrolment.
Master of physical education (MPE) No full-time study necessary. Requires 10 half courses plus a practicum and final comprehensive examination (in addition to any required foundation courses).

Science

Bachelor of science (BSc) In addition to regular programs of study, and by special arrangement with other institutions, students may be permitted to take the following programs at the University of Calgary; the first year only of courses leading to degrees in agriculture, food science, forestry and optometry. Students wishing to enter dentistry or veterinary medicine at other universities may also complete the pre-professional requirements by special arrangement.

Master of science (MSc) 1 year's residence required plus thesis.

Doctor of philosophy (PhD) 2 years' residence required plus thesis.

Social work

Bachelor of social work (BSW). Limited enrolment.

Master of social work (MSW) At least 2 sequential terms (fall and winter sessions) full-time from appropriate first degree. No thesis. Applicants must present undergraduate degree with second-class standing or better with emphasis on social and behavioral sciences.

Special programs

Rothney Astrophysical Observatory (in the foothills, southwest of Calgary); resources and the environment; marine science program (in combination with 4 other universities); native students services program; effective writing centre; inter-university centre of post-graduate studies, Dubrovnik, Yugoslavia. Interdisciplinary courses are offered in the fall/winter sessions.

Co-operative programs: Co-operative education is normally a 5-year undergraduate or a 3-year graduate program. The undergraduate program comprises 20 months of work placement and is available in the following majors: Actuarial science, applied chemistry, communications studies, computer science, development studies, English, philosophy, religious studies, sociology, and tourism and hospitality management. The graduate program comprises 12 months of work placement and is available in engineering (international co-operative), environmental design, psychology and social work.

Joint degrees: In conjunction with other faculties, the faculty of education offers joint 5 year BEd/BA and BEd/BSc degree programs. The faculties of engineering and humanities offer a joint 5-year BSc/BA degree program. The faculties of management and science offer a joint 5-year BComm/BSc degree program.

Professional certification: The faculty of continuing education offers courses leading to certificates in management development. Many of these courses meet the requirements of the Institute of Canadian Bankers; the Real Estate Institute of Canada; the Association of Professional Engineers, Geologists and Geophysicists of Alberta; and other professional bodies. Courses leading to membership in the following professional bodies are conducted at the University of Calgary under the administration of the faculty: The Society of Management Accountants of Alberta, the Certified General Accountants Association of Alberta, and the Appraisal Institute of Canada.

Bilingual programs: The faculty of continuing education offers a wide variety of French courses through the French centre. Language learning opportunities are also available in German, Italian, Japanese, Mandarin, Spanish and Russian. The faculty sponsors several other special programs: The Japanese student summer program, the summer English language bursary program and the English as a second language program.

Continuing education

Late afternoon and evening programs include undergraduate and some graduate level classes offered during the spring/fall/winter sessions in education, engineering, fine arts, humanities, management, nursing, physical education, science, social sciences and social work. The faculty of continuing education organizes off-campus classes for native students on reserves, social work and in-service teacher training for professionals by teleconferencing, and other credit programs through such organizations as the Big Country Educational Consortium.

Summer session: For undergraduates, graduates and teachers wishing to improve their qualifications. Courses in education, fine arts, humanities, management, nursing, physical education, science, social sciences and social work.

Approximately 25,000 adults participate each year in the faculty of continuing education non-credit program. University-level seminars, workshops, conferences, and evening courses are conducted year-round for personal, professional, and career development.

Admission Requirements

Undergraduate

Controlled growth procedures are in place for 1990-91. The university will admit the best academically qualified students first and will continue admitting applicants with lower academic qualifications until capacity is reached.

Alberta: Alberta high school diploma with a minimum average of 60% and no subject below 50% for the specified matriculation (Grade 12) courses (if the fifth subject presented is an option, a minimum average of 60% on the remaining 4 subjects and an overall average of 60% or above on all 5 subjects is required). Residents of Alberta who are 65 years of age or older at the time of commencement of study and their spouses (provided they also reside in Alberta) are not required to pay any fees to take undergraduate and non-credit courses.

Other provinces: Students from outside Alberta require standards equivalent to those for Alberta students. British Columbia: Grade 13 (high school graduation prior to 1967) or Grade 12 (graduation in 1967 or later). Saskatchewan: Grade 12 with 65% average (70% for nursing). Manitoba, Newfoundland and Nova Scotia: Grade 12. Prince Edward Island: First year university (high school graduation before 1972) or Grade 12 (graduation in 1972 or after). Ontario: Grade 13 or OAC subjects. Quebec: First year CEGEP program in prescribed subjects with an average of at least 70% (75%

for nursing); applicants who have completed 2 year programs may be considered for advanced standing. New Brunswick: Grade 13 or first year university (graduation prior to 1971) or Grade 12 (graduation in 1971 or later).

Graduate

Applicants for admission must hold an appropriate first degree or equivalent from a recognized institution with a minimum grade-point average of 3.0 (based on a 4 point grading system) in the last 2 years of academic work.

Nonmatriculated students

Alberta residents who are 21 years of age or over and do not meet normal requirements for admission may be excused from presenting senior matriculation. Applicants normally must arrange for an interview with a designated representative of the faculty to which they are seeking admission and must successfully complete matriculation-level English or equivalent (and depending on faculty, 1 or more additional subjects).

International students

The following certificates are generally accepted as equivalent to Alberta Grade 12 senior matriculation. Students meeting admission requirements to the universities within their own country notwithstanding, must meet the same requirements for admission, present the same number of courses, and present equivalent high school subjects and grades at the appropriate level as Alberta matriculants. A minimum of 5 prescribed subjects is required. Students who have not been a resident of Canada or other English-speaking countries for 5 consecutive years prior to admission to the University of Calgary must write and obtain a score of 580 or above on the Test of English as a Foreign Language (TOEFL) examination. Applicants may be exempted from this requirement if they have successfully completed at least 3 years of formal, full-time study at an English secondary or postsecondary institution in an English-speaking country during the 5 consecutive years immediately preceding the session to which they are applying for admission.

United Kingdom: General certificate of education advanced and ordinary-level certificates. Five distinct and appropriate subjects are required including a minimum of 2 at the A-level. Grades of D and E at the O-level and 7, 8 and 9 on school certificates are not acceptable.

Africa: East African school certificate (Grades 1 to 6) and Advanced-level certificate; West African school certificate (Grades 1 to 6) and Advanced-level certificate. See United Kingdom.

Caribbean Commonwealth: See United Kingdom. Grades of 1 and 2 on the general proficiency examinations administered by the Caribbean examination council are acceptable in lieu of GCE Ordinary-level passes.

Hong Kong: Hong Kong certificate of education (grades of A, B or C) and Hong Kong A-level examination. See United Kingdom.

India: Higher secondary school certificate (obtained after 12 years of primary and secondary education); pre-professional or pre-university examinations; first year arts, science and commerce; intermediate certificate; all-India senior school certificate.

Malaysia: Malaysian certificate of education (Grades 1 to 6) and higher school certificate. See United Kingdom.

Philippines: 2 years of university in appropriate subjects.

Singapore: Singapore-Cambridge general certificate of education (Grades 1 to 6) and Advanced-level certificate. See United Kingdom.

USA: A full academic high school program plus acceptable scores on the college board verbal and mathematical scholastic aptitude tests (SAT) and 3 appropriate achievement tests (ACH).

International Baccalaureate: 6 distinct and appropriate subjects; 3 higher level and 3 subsidiary level with grades of 4 or above.

Other: Applicants who completed their education in a country not listed above will be considered for admission on the basis of their academic merits.

Note: Applicants to the faculty of law require a minimum of 2 years of university study toward a degree. Most applicants already possess a degree. International students considering admission to the law program are advised to contact the faculty of law. For entrance to the faculty of medicine, a student is normally required to present 3 years of study in an acceptable undergraduate degree program. Since the number of positions in the faculty of medicine available is limited and since, as a provincial university, the University of Calgary has a primary obligation to Canadian citizens residing in Alberta, applications from international nationals residing outside Canada are discouraged.

Application Deadlines

Spring session: April 1. Summer session: May 1 (applications to education, management, nursing, and social work are not accepted for the spring and summer sessions). Fall session (September): Contact faculty office for graduate studies and medicine deadline dates; February 1 for law; March 1 for environmental design; March 15 for social work; April 1 for nursing post-basic; May 1 for education, engineering, management, nursing (generic), and physical education; June 1 for other faculties. Winter session (January): May 1 for engineering; June 1 for fine arts; November 1 for education; December 1 for other faculties (applications to environmental design, law, management, nursing, and social work are not accepted for the winter session).

Academic Year

Fall session: September to December. Winter session: January to April. Spring session: Mid-May to end of June. Summer session: Beginning of July to mid-August. The academic year is 12 months in duration, July 1 to June 30. The fall and winter sessions are each 13 weeks in duration and the spring and summer sessions are each 6 weeks in duration.

Grading Systems

Graduate and undergraduate grading systems are as follows: A, 4.0, Excellent; A-, 3.7; B+, 3.3; B, 3.0, Good; B-, 2.7; C+, 2.3; C, 2.0, Satisfactory; C-, 1.7; D+, 1.3; D, 1.0, Minimal pass; F, 0, Fail. The faculty of law also uses a completed requirements/D/fail grading system for certain courses. The faculty of medicine (MD program) uses a completed requirements/remedial work required/fail grading system. Undergraduate faculties require a minimum grade point average of 2.0 for graduation purposes; some faculties require a higher grade point average.

Student Life and Services

The students' union has been in place since 1945. Some of its responsibilities include developing students' union academic policy; assisting students with academic appeals; dealing with the off campus interests of students; funding of student campus clubs and societies; planning student activities such as films, concerts, forums, cabarets, guest speakers, and special events; and co-ordinating student representation to university committees and the provincial government. All registered undergraduate students are members of the students' union by virtue of paying student fees.

MacEwan Hall and MacEwan Student Centre (students' union buildings) house a kiosk, travel agency, hairstylist, a test preparation service, banking machines, a drugstore, a florist, a full service restaurant, a food fair, a games area, a variety of lounges, a ballroom, offices for student government, a printing service, offices for the student newspaper and a radio station. In addition the bookstore, ticket centre, chaplains' offices, day-care centre, student resource centre, native centre, volunteer centre, women's centre, university counselling services, university health services, faculty and support staff clubs and the graduate students' association are housed in these buildings.

The graduate student association promotes and serves the intellectual, cultural and social interests of graduate students and officially represents graduate students whenever necessary. Membership in the association includes all graduate students, their spouses and honorary members. All registered graduate students must pay an annual fee for the operation of the graduate student centre.

The student resource centre staff provide services to enrolled and prospective students in the following ways: Prospective student advising, orientation programs for new students, adult student advising; parent programs; study/work and travel abroad information. Advisors are available on an appointment basis. Telephone: (403) 220-5453. In addition, there is an international student advisor who is available to discuss a variety of concerns including immigration/visa problems, academic problems, financial/ budget problems, social problems and housing problems. Providing sufficient notice is given, arrangements can often be made to have new students met upon arrival by a host family or another student. Telephone: (403) 220-5888. The co-ordinator of disabled student services is available to meet with prospective and enrolled students to discuss a variety of concerns related to mobility, academic accessibility, admission requirements and so forth. The co-ordinator may also make a variety of technical aides available such as: Versabrailler, talking computer, braille printer, large print printer, Kurzweil reading machine, visualtek and tape recorders. A telephone capable of receiving calls from the deaf is also in place. Telephone: (403) 220-6918.

The residence complex is made up of 7 buildings. Rundle and Kananaskis Halls are traditional residences with accommodation for approximately 650 single full-time undergraduate students. A small percentage of single graduate students can also be accommodated. Most rooms are shared occupancy. Meals are served in the dining centre adjacent to the residence halls. Approximately 500 single full-time students can be accommodated in Norquay, Brewster, Castle, Olympus and Glacier Halls, in furnished, self-contained bachelor, 1-bedroom (single or double occupancy), 2-bedroom, and 4-bedroom apartments. Priority is generally given to upper level undergraduate and graduate students. Residents in these buildings have an option of room only or room and board contracts. A limited number of self-contained living units designed for disabled students are available on the main floor levels. Two hundred and fifty town house apartments, the majority consisting of 2-bedrooms, living-dining room, kitchen and basement, are available to student families. There are also a few 1 and 3-bedroom units.

The off campus housing registry, managed by the students' union, offers detailed information on off campus apartments and board and room arrangements.

Medical services for students are provided on a 24-hour basis during the fall and winter sessions. Daily health clinics are available at all times. Services are maintained by an annual appropriation from university funds together with benefits claimed for medical services from the Alberta Health Care Insurance Commission or any other insurance carried by the student. The service is available to student dependents and staff members for emergency purposes.

Professionally trained counsellors and psychologists provide individual, vocational, educational and personal counselling. Psychological assessment, testing and occupational-educational information are available. A variety of group programs are offered which include reading/study skills, exam skills, relaxing training, considering marriage, communicating assertively, time management, living with stress and career development. The university counselling services is accredited by the International Association of Counselling Services Inc.

The university is a full-time member of the Canada West University Athletic Association (1 of the conferences in the Canadian Interuniversity Athletic Union). Canadian championships are sponsored by the CIAU each year in various sports including basketball, football, hockey, gymnastics, swimming, wrestling, soccer and volleyball for men; in basketball, gymnastics, swimming, soccer, volleyball and field hockey for women. The following programs are available to all

members of the university community: Open recreation involving use of the physical education complex consisting of gymnasia, swimming pool, racquetball, squash and tennis courts, and combatives and weight training areas; intramurals; sport clubs; adult sports instruction; children and youth programs; aquatics programs; and a wilderness resource centre.

The Nickle Arts Museum offers a full program of exhibitions and related events covering most aspects of the visual arts nationally and internationally. Its collections include a prominent group of over 12,000 coins of the ancient world and some 800 works of modern and contemporary art. The university theatre was designed primarily for academic purposes, however, it provides excellent facilities for drama, music, films, and exhibitions. The Reeve theatre is an experimental theatre laboratory, a unique concept stressing function and combining the requirements of performance with a responsibility for experimental instruction in the dramatic arts.

The university day-care centre provides daily care and supervision for 65 children, aged 2 months to 6 years. The centre is an independent university institute. Subsidies are available through the provincial government.

The Canada Employment Centre operates a student placement service on campus and assists students in obtaining permanent, part-time and summer employment.

Research Institutes

Alberta Sulphur Research. Director: J.B. Hyne, BSc, PhD, FCIC

Arctic Institute of North America. Executive director: M.P. Robinson, BA, LLB

Calgary Institute for the Humanities. Director: H.G.C. Coward, PhD

Calgary Society for Students with Learning Difficulties. Director: M.T. Samuels, BA, PhD

Canadian Energy Research Institute. Executive director: G.E. Angevine, BCom, MA, PhD

Canadian Institute of Resources Law. Acting executive director: J.O. Saunders, BA, LLB, LLM

Canadian Music Centre. Regional director: C. Richman, BA, BEd

Computer Modelling Group. Group head: F. Meyer

Discourse Analysis Research Group. Director: R.D. Heyman, BA, MA, EdD

Institute for Computer Assisted Learning. Director: W.B. Clark, BA, BD, MS, PhD

Institute for Transportation Studies. Chairperson: J.F. Morrall, BEng, MASc, PhD

International Centre. Executive director: W.T. Warden, BA, MA

Kananaskis Centre for Environmental Research. Director: M.R. Lein, BA, MA, PhD

Petroleum Recovery Institute. Executive director: C. Ayasse, BSc, PhD

Research Centre for Canadian Ethnic Studies. Director: H.D. Palmer, BA, MA, PhD

Research Unit for Public Policy Studies. Director: J.S. Frideres, BS, MA, PhD

Research Unit for Quantitative Analysis. Director: R.A. Wanner, BS, MS, PhD

Research Unit for Socio-Legal Studies. Co-directors: F.L. Morton, BA, MA, PhD and A. Brannigan, BA, MA, PhD

Shastri-Indo-Canadian Institute. Executive director: K. de la Ronde.

Vocational and Rehabilitation Research Institute. Executive director: G. Groeneweg, BA, MSc, PhD

Walter Dinsdale Centre (disability information services). Director: N.J. Marlett, BA, MA

Research Chairs

Alberta Childrens Hospital Chair in Pediatric Research.

Alberta Heart Foundation Chair in Cardio Vascular Research. C.R. Triggle

Arthritis Society Chair in Rheumatic Diseases/Rheumatology.

Brenda Strafford Chair in Geriatric Medicine. David B. Hogan

Ciba Geigy Chair in Schizophrenia Research.

Campbell McLaurin Chair in Hearing Deficiencies. Barry P. Kimberley

Carma Chair of Operations Management.

Chair in Exploration Geophysics. Robert Stewart

Chair in Life Insurance and Risk Management.

Chair of Christian Thought. Alan P.F. Sell, BA, BD, MA, PhD

Chair of Ethnic Studies.

Chair of Petroleum Engineering. Roger Butler, BSc, PhD

Ernest C. Manning Chair in Canadian Studies.

Imperial Oil and Lincoln McKay Chair in American Studies. Stephen Randall

Julia McFarlane Chair in Diabetes Research. Ji-Woon Yoon

Killam Memorial Chair. B. Gaines, BA, MA, PhD

Numata Chair of Buddhist Studies.

Related Colleges

Medicine Hat College, 299 College Drive, Medicine Hat, Alberta T1A 3Y6 Telephone, (403) 529-3811. Co-educational, non-denominational. Established in 1965 and provides 2 years of instruction after senior matriculation. President: C.J. Meagher, BSP

Mount Royal College, 4825 Richard Road South West, Calgary, Alberta T3E 6K6 Telephone, (403) 240-6111. Co-educational, non-denominational. Original college established in 1911. Affiliated to The University of Alberta as a junior college in 1931. Became a public college in 1966. Offers 1 to 2 years of instruction after senior matriculation. President: T.L. Wood, BA, MA

Campion College*

General Information

Address: c/o The University of Regina, Saskatchewan S4S 0A2
Telephone: (306) 586-4242
Fax: (306) 359-1251

President: Joseph Schner, SJ, BA, MA, MDiv, PhD

Inquiries: Direct general correspondence to the dean, The Reverend Isidore H. Gorski, BA, STL, SSL

Full-time faculty (1988-89): 19

History and Governance

The college was incorporated by an act of the legislature of Saskatchewan in 1917. Classes began in 1918. In 1924 the institution was granted the status of a junior college in affiliation with the University of Saskatchewan. The classes which it taught for the BA degree were recognized in succession by the University of Manitoba, then the University of Ottawa, and finally the Université de Montréal. The university classes ceased during the war. In 1947 the college renewed its affiliation with the University of Saskatchewan. In 1966 it became a federated college of the university and in 1974 it became a federated college of the new University of Regina.

Within the federation Campion College is a co-educational Catholic Church- related institution under the direction of the Jesuits. It is however open to students of all religious denominations. The college offers, in co-operation with the faculties of arts and science of the university, all programs leading to the BA, BA Advanced, BMus, BFA, BMusEd and BSc degrees conferred by the University of Regina. It is supported by provincial government grants, tuition fees and contributed services of the religious members of its staff. Its professors are members of the staff of both college and university; they belong to the faculties of arts and science and to the university council; their classes are open to any qualified university students, so far as space permits.

The college is governed by the corporation, consisting of the Jesuit Fathers stationed at the college, and a board of regents, composed of the corporation council and representatives of the college and the Saskatchewan community. Academic matters are controlled by the university senate on which the college is represented by the president.

Buildings and Grounds

The college building, located on the University of Regina campus, houses the library, student lounge, chapel, auditorium, classrooms, staff and student offices, and a cafeteria. The building has an elevator and all facilities are readily accessible to physically handicapped students.

Library

The library holds approximately 54,000 volumes and has strong collections in the fields of theology and religious studies, philosophy, English literature and Canadian history. Other areas of interest include medieval history, psychology, film studies and French Canadian studies. In addition, there is a special collection of materials on the subject of women and religion as well as extensive holdings of Jesuitica which reflect aspects of Jesuit life and history, particularly as it pertains to North America.

Programs and Degrees

Ordinary bachelor's degrees require 3 years (96 credits) from senior matriculation. Advanced bachelor's degrees require 4 years (128 credits) from senior matriculation. Honors bachelor's degrees require 4 years (128 credits) from senior matriculation.

A 4-credit hour course at Campion College normally represents 4 lecture hours per week for 1 semester.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts

Bachelor of arts (BA) ordinary and advanced.
Bachelor of arts in journalism and communications.
Bachelor of journalism (BJ) 2 years from first bachelor's degree.

Fine arts

Bachelor of fine arts (BFA) 4 years from senior matriculation.
Certificate in visual arts. Two years specified classes from senior matriculation.

Music

Bachelor of arts (BA)
Bachelor of music (BMus) 4 years from senior matriculation.
Bachelor of music education (BMusEd) 4 years from senior matriculation.

Religious studies

Campion College participates in a program of religious studies at the university offering a bachelor of arts (ordinary), bachelor of arts (advanced and honors) program.

Science

Bachelor of arts (BA) ordinary and advanced.
Bachelor of science (BSc) ordinary and advanced.
Certificate in computer science. Two years from senior matriculation.
Bachelor of laboratory technology (BLT) 2 years of study after student has completed an RT (general).

Special programs

Combined programs: Combined program in arts, arts and science and administration, dentistry, education,

* Ordinary member, AUCC. Federated with The University of Regina.

engineering, law, medicine and music may allow student to obtain BA or BSc and professional degree in less time than if the 2 were taken separately.

Interdisciplinary programs: French-Canadian studies, Canadian Plains studies and religious studies leading to BA.

Bilingual program: Three-year program leading to BA. Based on regular degree program and differing only in language of instruction. To qualify under bilingual program, student must complete at least 40% and not more than 60% of classes in French and must register in at least 2 classes offered in French by a department other than the French department.

Co-operative programs: Enables students to combine full-time work opportunities with full semesters of study in biochemistry, chemistry, computer science, mathematics and physics.

Continuing education

Evening, intersession and summer classes in conjunction with the University of Regina. Adult education programs in theology and allied fields are offered.

Admission Requirements

Same as for the University of Regina. See separate chapter.

Application Deadlines

Students applying from out of Canada for the fall semester, 15 June; for the winter semester, 15 October. Students applying from in Canada for the fall semester (out of province students), 31 July; (Saskatchewan students), 15 August. Application deadline for winter semester, out of province and Saskatchewan students, 15 December. For spring and summer sessions see appropriate calendar.

Costs (1989-90)

Undergraduate fees: Full-time (registered in 12 credit hours or over) $46.25 per credit hour. Part-time (registered in less than 12 credit hours) $46.25 per credit hour.

Application fees: Same as for the University of Regina.

Residence: Same as for the University of Regina.

Student fees: $56.25 per year (compulsory).

All fees subject to change without notice.

Academic Year

Fall term: September to December. Winter term: January to April. Spring session: Early May to mid-June. Summer session: Early July to mid-August.

Grading System

Same as for the University of Regina

Student Life and Services

The college offers students chaplaincy counselling and academic counselling. The students' association enjoys its own lounge and an active council organizes its own social events. Complete food services are available in the college cafeteria. All services offered at the University of Regina are available to Campion students.

Campion students belong to both the Campion College students' association and to the University of Regina student union.

Camrose Lutheran University College*

General Information

Address: Camrose, Alberta T4V 2R3
Telephone: (403) 679-1100

President: K. Glen Johnson, BA, BD, STM

Inquiries: Direct general correspondence to the vice-president for admissions and student affairs, Erhard Pinno, BA, MA

High school liaison officer: Tim Hanson

Full-time faculty (1989-90): 52

History and Governance

Camrose Lutheran University College was founded in 1910 by the Alberta Norwegian Lutheran College Association and began classes in 1911. This university college first offered university instruction as an affiliated college of the University of Alberta from 1959 to 1987. In 1985, on the recommendation of Alberta's Private Colleges Accreditation Board, the government of Alberta authorized the college to grant baccalaureate degrees in arts and science. The first degrees were conferred in 1985.

Camrose Lutheran University College is a co-educational liberal arts college of the Evangelical Lutheran Church in Canada. It is governed by a 14-member board of regents and the faculty in session.

Buildings and Grounds

The college's 40-acre campus is on the southern edge of Camrose, 100 km southeast of Edmonton, the provincial capital. There are 16 buildings, including classrooms, laboratories, library, chapel, gymnasium, and 550 residence spaces. All students, staff and visitors are able to park on or adjacent to the campus.

Libraries

At the end of 1989, the Camrose Lutheran University College library had 60,000 volumes of books and bound periodicals, 395 periodical subscriptions, 2,191 phonorecords, and 2,227 scores.

Special collections: The library is actively collecting material concerning Scandinavian settlers in Canada and the history of the Lutheran Church in Western Canada.

Programs and Degrees

Bachelor's degrees are offered in 90-credit general programs and in 120-credit special programs which normally require 3 or 4 years, respectively, after senior matriculation.

The credit value of a course normally indicates whether the course has 3 lecture hours per week for 1 term (3 credits) or for the full academic year (6 credits).

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts

Bachelor of arts (BA)
Bachelor of arts (special) [BA(Special)]

Science

Bachelor of science (BSc)
Bachelor of science (special) [BSc(Special)]

Special programs

Oslo year: Camrose Lutheran University College is a member of a consortium of colleges and universities sponsoring a Norwegian language, literature, and culture program known as the Oslo Year. Under this program, students may spend 1 or 2 terms, usually in their third year, studying at the University of Oslo for credit towards their degree at Camrose. Contact the department of Scandinavian studies for further information.

Outdoor leadership education: Each May, the college offers a program that combines an outdoor pursuits course in physical education and a field course in ecology. It includes 3 weeks of canoeing, wilderness travel and backpacking in the Rocky Mountains and foothills.

Grade 12 matriculation program: The Grade 12 program is designed to prepare students for university studies. It is an accelerated program, scheduled to coincide with the 8-month university year.

Continuing education

The department of continuing education offers full-time programs in business education (1-year certificate in secretarial/office technology or computer applications), academic upgrading for adults (high school credit), basic education for adults, job entry program, general educational development program, English as a second language, GED testing program.

Part-time and short-term non-credit programs are offered in liberal studies, early childhood development, business and technical studies, theology and fine arts, evening academic upgrading and Elderhostel.

Admission Requirements

Alberta: Students must present a minimum average of 60% in 4 appropriate academic Grade 12 subjects including English. A grade of at least 60% is required on an approved fifth Grade 12 subject.

Other provinces: Students presenting equivalent subjects and who would be admitted to a university in their home province will be considered for admission. Applicants from British Columbia, Manitoba, New Brunswick, Newfoundland, Nova Scotia, Prince Edward Island and Saskatchewan are eligible for admission after Grade 12. Ontario students may apply after Grade 12 with a minimum average of 75% in 5 appropriate subjects

* Ordinary member, AUCC

or Grade 13. Students from Quebec must successfully complete the first year of a CEGEP academic program.

Because Camrose Lutheran University College offers a university preparation Grade 12 program, a student who has incomplete matriculation may, under certain conditions, finish Grade 12 and begin university studies in the same academic year.

Transfer students

One full year (30 credits) of relevant university courses may be presented to waive corresponding Grade 12 requirements. Students transferring from other postsecondary institutions will be granted advance credit for courses deemed relevant and acceptable for their programs at the college.

Mature students

Any student who is at least 21 years of age may apply for admission as an adult student by presenting the equivalent of Grade 12 academic English with a minimum grade of 60%.

International students

The language of instruction at the college is English. Students whose native language is not English must demonstrate competency in English by presenting 1 of the following: (a) a grade of at least 70% in Grade 12 English (or equivalent); (b) successful completion of the equivalent of 3 years of full-time instruction in a secondary school where English is the language of instruction; or (c) a TOEFL score of 550 or higher.

In addition to meeting the English language competency standard, international students present certificates showing subjects which are equivalent to appropriate Alberta Grade 12 subjects used for admission by Canadian students.

UK, West Indies, East and West and Southern Africa, Hong Kong: GCE, HSC, or University of Hong Kong matriculation, with 5 appropriate subjects including 3 O-level and 2 at A-level.

USA: A student from the USA is admitted on the basis of graduation from an academic high school program and acceptable scores (no mark below 400 and an average of 500 on the 5 tests) on the verbal and mathematical scholastic aptitude tests (SAT) and 3 appropriate achievement tests.

Europe: Final-year secondary school graduation (maturity) certificated.

Other: Contact the office of admissions.

Application Deadlines

August 1 is the deadline for application for the fall term and December 1 for the winter term. Late applications will be considered as time and space permit.

Academic Year

Fall term: Early September to mid-December. Winter term: Early January to end-April. Spring session: Early May to early June.

Grading System

Nine-point grading system as follows: 9, 8 (excellent); 7, 6 (good); 5, 4 (pass); 3, 2, 1 (fail). Some courses are graded on a pass/fail basis. The grade point average required for graduation is 5.5.

Student Life and Services

The Camrose Lutheran University College students' union represents student interests and concerns. It operates a radio station, publishes a weekly newspaper, appoints student members to faculty committees and sponsors social events, special entertainment functions and clubs. The governing body of the students' union is formed of 2 groups: The executive body (president, vice-president, social convenor and treasurer), elected from among the returning students; and the representative body, elected from among the current year's students.

The department of student affairs co-ordinates student activities, directs intramural programs, establishes residence policies in consultation with the students, and acts as arbitrator and ombudsman for students in their relationships with each other and with the faculty and administration. Together with faculty members and the campus chaplains, the department provides professional counselling on academic, personal and vocational matters.

The department of student affairs is responsible for student employment services, career counselling and placement, international student services, disabled student services and health service.

Two college pastors are available for personal counselling and spiritual direction for students and provide opportunities for students to be involved in a variety of Christian life programs.

Camrose Lutheran University College is a residential institution; approximately 60% of the full-time students live on campus. The Freshman Complex accommodates 350 students and the Ravine Complex accommodates another 200 students. Meals are provided for all resident students

Camrose Lutheran University College is a member of the Alberta Colleges Athletic Conference and competes in basketball, hockey, cross-country running, swimming, skiing, canoeing and curling.

The music and drama departments offer a variety of opportunities for extracurricular student participation.

University College of Cape Breton*

General Information

Address: P.O. Box 5300, Sydney,
Nova Scotia B1P 6L2
Telephone: (902) 539-5300
Telex: 111
Fax: (902) 562-0119

Acting President: John E. Terry, PEng

Inquiries: Direct general correspondence to the registrar, Deanne Dennison, BA

High school liaison officer: Michael Reppa, BA

Admissions officer: Pamela Decker, MPA

Full-time faculty (1989-90): 150

History and Governance

The College of Cape Breton was established by an act of legislature in 1974 as an institution linking the traditions of technology and university with a mandate to develop new approaches to postsecondary education. At that time, the Sydney campus of St. Francis Xavier University, founded in 1951, and the Nova Scotia Eastern Institute of Technology, founded in 1968, were amalgamated. The Nova Scotia government and St. Francis Xavier University transferred the governance and control of these institutions to a new board of governors. In 1982, the college became the University College of Cape Breton when the act of legislature which had established the college was amended, giving the college the authority to grant degrees.

The university college is a co-educational institution offering both technological diplomas and university degrees and diplomas. The institution is controlled by an autonomous 36-member board of governors and a 33-member council. The latter is concerned with the academic and educational affairs of the university college.

International Mandate

The Centre for International Studies promotes greater awareness of the importance of international affairs through research and publications (including a monthly newsletter), and through public multicultural and development education activities. It establishes relations with universities and institutions in Canada and other countries, participates in staff development projects in Third World countries, and hosts students from developing countries. Contact: Dr. B. Tennyson, director, Centre for International Studies. Telephone: (902) 539-5300 ext. 277.

Buildings and Grounds

The university is located on a 120-acre site approximately 5 miles from Sydney. In addition to academic buildings, the campus houses an information and communications centre, a theatre, an art gallery, a cafeteria, a field house and an arena for athletics.

Libraries

The library facilities are contained in the information and communications centre. The library holdings total 250,000 books, bound periodicals, maps and provincial and federal government documents and back issues of approximately 400 newspaper and periodical titles as well as census returns from 1851/52-1971 available on microfilm. The library subscribes to some 250 current periodicals and newspapers.

Features of the library include electronic carrels, individual and group study rooms, and ready access to other resource centres such as the Electronic Learning Centre, the Education Resource Centre, the Bras d'Or Resource Centre, the National Film Board of Canada and the archives and library of the Beaton Institute (5,000 volumes, 15,000 records and 2,000 oral history tapes, a photographic archives of 20,000 photos, the Khattar Collection of Rare books and the Fine Arts Collection).

Programs and Degrees

Bachelor's degrees require 4 years (20 credits) beyond senior matriculation unless otherwise specified. Technology diploma programs require 2 years (20 months) beyond stated admission requirements. Co-op education technology programs require 32 months.

One full credit normally represents 1 full course requiring either 3 lecture hours per week for 2 terms, or 6 lecture hours per week for 1 term. One half credit is usually equivalent to 3 lecture hours per week for 1 term.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts

Bachelor of arts (BA) 3 or 4-year program beyond senior matriculation. The 4-year program offers major degrees in 7 areas: English, history, philosophy, political science, psychology, sociology, theology. The entire program is available through full-time or part-time study. The program includes a core curriculum.

Bachelor of arts in community studies (BACS) 3-year full-time program consisting of 15 full-credit courses or equivalent.

Business administration

Bachelor of business administration (BBA) Entire program is available through either full-time or part-time study.

Engineering

Diploma in engineering. Under the terms of agreement with the Technical University of Nova Scotia, the university college is an associated university for engineering. The first 2 years of the program are offered

* Ordinary member, AUCC

at UCCB, after which students transfer to TUNS for the final 3 years leading to the degree in engineering.

Environmental Studies

Bachelor of technology (BTech) requires 2 years beyond successful completion of the environmental diploma program (see Technology diploma programs below).

Science

Bachelor of science (BSc) 3 or 4-year program beyond senior matriculation. The 4-year program offers concentration or distinction degrees in 3 areas: Biology, mathematics and psychology. The program has a core curriculum.

Bachelor of science in physical education (BScPhysEd) Transfer program. Four years beyond senior matriculation, the first year of which may be taken at the university college.

Technology diploma programs

Diploma (DipTech) offered in business administration with common first term. Options include accounting, computer information systems, management, marketing which follow a 32-month co-op format.

Other integrated diploma programs are available in the areas of hospitality administration, secretarial science and para-legal. Para-legal is a 32-month co-op program, hospitality a 3-year study work program, and secretarial science is a 2-year program offering second year options in executive, legal, medical and secretarial.

Engineering technology programs are offered in chemical, civil/construction, electrical/electronic, environmental, mechanical and mineral technology. The diploma programs are 32-month co-op programs.

A pre-technology, 1 year program is also available.

Apprenticeship trades training programs

Two types of apprenticeship training programs are available. Students with no trades experience may apply to The Apprenticeship Division, Department of Labor, Provincial Building, Sydney, Nova Scotia B1P 5K9 or to The Apprenticeship Division, Department of Labor, P.O. Box 697, Halifax, Nova Scotia B3J 2T8. Students accepted into the program have a minimum 16-week training period in theory and practical skills. On successful completion of their studies students may seek employment in their chosen trade. To complete the apprenticeship program students must attend a specified number of block release classes (5 weeks per year).

Those already employed in a designated trade may apply to the Department of Labor to become registered apprentices. If after a 90-day probationary period they are found acceptable to the trade they will be registered. Following this, students will be required to attend a 5-week block release class each year for the remainder of their apprenticeship training.

The apprenticeship program is currently moving toward a uniform 4-year duration. Graduates of the training program may receive the Canadian interprovincial standards certificate.

Continuing education

Academic courses toward the BA degree are available to teachers as well as education courses toward higher provincial teaching license.

Continuing education offers approximately 70 courses of varying lengths which provide non-degree opportunities for self development, liberal education and occupational updating. These include Scottish culture, foreign languages and general interest courses.

A 5-year program leading to a certificate in religious education is also offered.

Spring/Summer session: There is a summer program designed specifically for the needs of professional groups, teachers and university students proceeding towards a degree. The university college also provides short-term workshops and seminars for local educators.

Special programs

Professional certification: Courses are also offered to enable managers, bankers and government officials to complete the requirements for the BBA degree. Business courses (offered in affiliation with the Canadian Institute of Management (CIM), Society of Management Accountants (SMA), Institute of Canadian Bankers (ICB), Certified General Accountant (CGA), Canadian Credit Union Institute (CCUI), Real Estate and Properties Management, Atlantic Provinces Association of Chartered Accountants (APACA), Insurance Institute of Canada (FIIC), and the Trust Companies Institute of Canada) include accounting, marketing, management, taxation, finance, industrial relations, organizational behavior, law, mathematics and computer science.

In addition, students may register in part-time studies and complete the BA, BA community studies, BBA, BSc or BTech.

Admission Requirements

Undergraduate

Nova Scotia: The 3 and 4-year arts program requires Grade 12, 5 university preparatory subjects including English, a 60% average and no grade below 50%, plus Grade 11 mathematics except community studies.

The 3 and 4-year science programs require Grade 12, 5 university preparatory subjects including English, a 60% average and no grade below 50%. Note: Science programs require specific university preparatory subjects for admission.

The bachelor of business administration program is a 4-year program following Grade 12. Grade 12 mathematics and English are required.

For the 3 and 4-year arts program the below levels are required. Ontario: Grade 12 or 13/6 OACs. Quebec: CEGEP, Year 1. Manitoba, Saskatchewan, North West Territories: Grade 12. Newfoundland: Grade 11. British Columbia and Yukon: 1 year beyond Grade 12.

Bachelor of business administration. Prince Edward Island, New Brunswick, Manitoba, Saskatchewan, Alberta and North West Territories: Grade 12. Ontario: Grade 12 or 13. Quebec: CEGEP, Year 1.

Newfoundland: Grade 11. British Columbia and Yukon: 1 year beyond Grade 12.

The 4-year science program requires the following academic standings. New Brunswick and Prince Edward Island: Grade 12, 5 university preparatory subjects including English, 60% average and no mark below 50%. Ontario: Grade 12 or 13. Quebec: CEGEP, Year 1. Manitoba, Saskatchewan, Alberta and North West Territories: Grade 12. Newfoundland: Students who have completed Grade 11 will be considered for admission. British Columbia and Yukon: 1 year beyond Grade 12. Note: Science programs have specific subject requirements.

Technology

Nova Scotia: The subject requirements for the business technologies programs are: Grade 11 mathematics (Grade 12 level is preferred) and English, and 3 other courses at Grade 11 level. Secretarial science does not require mathematics.

For admission to engineering technologies, candidates must have the following: Grade 12 mathematics, Grade 11 English and 3 other subjects at the Grade 11 level. Grade 11 chemistry is compulsory for chemical, mineral and environmental engineering. Physics and chemistry at Grade 12 level are preferred. Successful completion of Nova Scotia Grade 12 university preparatory program or the equivalent is recommended.

Other provinces: Applicants seeking admission to business technology require the following certificates and/or academic standings. Prince Edward Island, New Brunswick, Ontario, British Columbia, Yukon and North West Territories: Grade 12. Manitoba, Newfoundland, Saskatchewan, Alberta and Quebec: Grade 11.

For admission to engineering technologies, the following certificates and/or academic standings are necessary. Ontario: Grade 12 or 13. Quebec: CEGEP, Year 1. Manitoba, Saskatchewan, Alberta and North West Territories: Grade 12. British Columbia and Yukon: 1 year beyond Grade 12. Newfoundland: Grade 11.

Apprenticeship training

Nova Scotia: The only trade area currently available requiring Grade 9 or equivalent is motor vehicle body repairer. Those requiring Grade 10 or equivalent include heavy duty equipment mechanic, motor vehicle repair bus and transport, industrial mechanic, machinist, motor vehicle mechanic, steamfitter and pipefitter. Grade 11 or equivalent is required for industrial electrician, construction electrician and industrial instrument mechanic. The welding program has a designated in-plant entrance requirement.

Other provinces: Admission to the apprenticeship program is restricted to Nova Scotia residents.

Mature students

Applicants who have been away from studies a number of years (usually 3) and are 21 years of age, may be admitted to both university and technology programs if they are judged suitable.

Senior citizens

Fees and regular admission requirements are waived for applicants aged 65 or more, or a pre-retired candidate who is 60 years of age or more.

International students

Students whose mother tongue is not English must submit TOEFL or equivalent test results. Minimum score 550.

USA: High school graduates who have completed 16 academic subjects will be considered for admission to a 4-year degree program. The following subjects are required. BA: 4 English and 12 other subjects; business administration: 4 English, 3 mathematics and 9 other academic subjects. Science and engineering diploma: 4 English, 3 mathematics, 4 science and 4 other academic subjects. Physical education: 4 English, 4 science and 8 other academic subjects.

Others: Applicants who have completed 6 subjects including English and mathematics at 0-level, or its equivalent, with passes at the Grade 4 level or higher may be considered for admission to 4-year program and applicants who have successfully completed A-level subjects with satisfactory grades may be considered for admission to a 3-year program. Applicants submitting the International Baccalaureate will be considered for admission.

Applications and Deadlines

Applications and supporting documents from international students must be submitted by June 30. There is no application deadline for Canadian students.

Academic Year

University programs, winter session: Mid-September to mid-May. Technology programs: Early September to late June. Spring session: May to June. Summer school: Early July to mid-August. Technology programs that follow the co-op mode have 2, 4-month academic terms, the remaining 24 months alternate work-placement and academic 4-month terms.

Grading System

In all university programs: Pass mark, 50% with average of 55%; major average, 65%; honors, 70%. Term average of 55% required for promotion. Technology programs: 85-100%, excellent; 70-85%, very good; 55-69%, acceptable; 50-54%, conditional pass; 0-49% failure. Term average of 55% with no mark below 50% required for promotion.

Student Life and Services

The student union officers are elected annually by the students and administer funds collected for student activities. Students are represented on all major governing bodies of the university college.

The university participates in a wide range of Nova Scotia College Conference and Canadian College Athletic Association varsity sports including: badminton for both men and women. The university competes in soccer (men's and women's), men's and women's

basketball and hockey in the Atlantic Universities Athletic Association. The university college has been formally accepted by the Atlantic Universities Athletic Association for football. Intramural programs include a rifle club, archery, volleyball, swimming, flag football, softball, basketball, and hockey. The University College of Cape Breton drama group is active in local and national productions, and faculty, students and the community at large are invited to participate. Concerts, art shows and special lectures are provided by clubs on campus as well as through the university college's concert and lecture series. Other activities include a camera club, a radio club, a student bulletin, a winter carnival, a yearbook, a film society, student newspaper, a debating society and an honors society.

The UCCB currently has no residence facilities but operates a housing bureau to assist students seeking accommodation. Residence facilities are expected to be available in 1991.

Medical and surgical expenses incurred by any Canadian student are covered by the medicare plan of the student's home province. Liability insurance covers any student on or off-campus who participates in a supervised UCCB activity as well as travels to and from the campus. The Max Bell Sports Medicine Clinic provides the physical facility for the health service. The clinic has on staff a medical doctor, nurse/receptionist and a physiotherapist. A student counsellor is available as well as a program administrator for disabled students.

Academic and career counselling is provided through the offices of the registrar, deans and faculty as appropriate. The Reading/Writing Centre provides testing services; personal counselling is provided by staff members and the chaplaincy office. In addition, the university college has a full-time native education advisor.

The registrar's office and co-ordinators of technology jointly arrange interviews for students with prospective employers. The Canada Employment and Immigration Commission has an office on campus, and the provincial Department of Labor offers its services throughout the academic year. Employment is available on campus for students who wish to serve as campus police, peer tutors or research assistants.

The campus is fully accessible to handicapped students.

Regular bus service is available to students.

Research Institutes

Beaton Institute of Cape Breton Studies. Director: R. Morgan, BA, PhD

Bras d'Or Institute. Director: D. Arseneau, BSc, MSc, DSc

Centre for International Studies. Director: B. Tennyson, PhD

Centre for Occupational Health and Safety. Director: R. Ivany, MSc.

Community Economic Development. Director: Ora McManus, PhD

Family Life Institute. Co-directors: K. MacNeil, PhD; V. Kachafanas, PhD

Tompkins Institute for Human Values and Technology. Director: M. Leroy, PhD

Carleton University*

General Information

Address: Ottawa, Ontario K1S 5B6
Telephone: (613) 788-3660
Telex: 053-4232
Cable: Carleton University, Ottawa, Ontario

President and Vice-chancellor: Robin H. Farquhar, BA, MA, PhD

Assistant director, student liaison: Drew Love, BA, MPA, MBA

Inquiries: Direct general correspondence to the director of admissions and academic records, Victor J. Chapman, BA, MA

Full-time faculty (1989-90): 720

History and Governance

Carleton University was established in 1942 by the Ottawa Association for the Advancement of Learning. The association was granted Letters Patent as a corporation without share capital with powers to "organize and establish a non-sectarian college of higher learning in the said City of Ottawa" in 1943. The college conferred its first degrees in 1946. In 1952 the province of Ontario enacted the Carleton College Act which continued the corporation established in 1943 under the name Carleton College and gave statutory authority to the college to grant degrees. In 1957 this act was amended and the name of the corporation was changed to Carleton University.

The college was established so that people drawn to Ottawa by the war would have an opportunity to continue their education while on war service. During the war the college offered a part-time program in the evenings and on Saturdays at several locations in rented quarters. With the end of the war and the demands created by the influx of veterans the college commenced full-time operations and obtained a permanent home in an Ottawa neighbourhood known as the Glebe. In 1959 the university moved from that site to its present 152-acre location between the Rideau River and Canal at Dows Lake. Carleton University is a private co-educational non-sectarian institution governed by a board of governors of 32 members and a senate of 71 members. Its major sources of revenues are government grants and student fees.

International Mandate

Carleton International manages the university's institutional relations with universities and state agencies abroad and facilitates its contacts with international agencies and representatives in Ottawa. It also negotiates, manages and administers academic linkages, receives foreign visitors and delegations, and helps negotiate international contracts and research grants. A centre for development research and training co-ordinates the work of 15 academic units in all faculties, and the international development information program conducts public education activies. Contact: Dr. D. R. Fraser Taylor, director, Carleton International. Telephone: (613) 788-2519.

Buildings and Grounds

Carleton University is located on a 152-acre site in the city of Ottawa (metropolitan population of 1 million). The university has a total of 25 buildings, including 15 instructional and research buildings, a library building, an administration building, a physical recreation centre and 5 residences. A university centre building, housing a variety of functions is also included. An expansion program, now under construction, will increase the number of buildings to 28 and provide major additions to existing buildings.

Libraries

Carleton University Library holds 1.5 million volumes, 700,000 microform items and maintains subscriptions to 6,000 current periodicals. A separate map library contains 160,000 maps and related items. Many academic departments supplement these resources by maintaining reading rooms housing books and periodicals of specialized interest. Databases from all the major vendors (CAN-OLE, Dialog, BRS, etc.) can be searched by staff on behalf of users, and a growing number of CD-ROM databases is provided for users who wish to do their own searching. Major special collections over modern poetry in English and 'small press' books originally published in limited editions. As well, the library has received outside funding in support of its collections of Spanish literature, Africana and the French Revolution. The vast majority of the library's holdings are accessible through the on-line catalogue 'CUBE'. A specially-equipped study services visually-impaired users, and the building is totally accessible to the physically disabled.

Programs and Degrees

Pass bachelor's degrees require 3 years of study (15 credits). Honors bachelor's degrees require 4 years of study. Master's programs are 1 and 2 years in length from an honors bachelor's degree. PhD programs require 2 years of full-time study after a master's degree.

A half-credit normally represents 3 lecture hours per week for 1 term. One credit is usually equivalent to either 3 lecture hours per week for 2 terms or 6 lecture hours per week for 1 term.

Joint programs

Carleton University and the University of Ottawa have developed joint master's and PhD programs in several disciplines in the faculties of science and engineering and in the faculty of social sciences. Programs currently

* Ordinary member, AUCC

offered include: Economics, biology, chemistry, computer science, geology, mathematics and statistics, civil engineering, mechanical and aerospace engineering, electrical engineering and physics. A joint specialization in neuroscience and in computer systems engineering is also offered.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Architecture
Bachelor of architecture (BArch) 5 years.

Arts
Bachelor of arts (BA) and bachelor of arts (honors) [BA(Hon)] First year is "free choice" whereby students with academic counselling may select any 5 courses from a list of courses designated open to first year students.
Certificate in English language and composition (CELC) 1 year, 5-credit program. Designed for the practicing teacher.
Certificate in French language studies (CFLS) 1 year, 6-credit program requiring some prior knowledge of French. Designed for part-time students wishing to perfect their spoken and written French.
Certificate in French language translation (CFTS) 1 year, 6-credit certificate program. Designed for part-time students wishing to develop and improve skills in translation.
Certificate in the teaching of English as a second language (CTESL) 1 year, 5-credit program normally requiring a first degree or teaching experience.
Certificate in law enforcement studies (CLES) 1 year, 6-credit program primarily intended for persons employed in the area of law enforcement, national security or corrections.
Diploma in music (DipM) 1 year, 5-credit plus recital program. Designed to attract individuals who have a strong background in performance or a musical instrument or voice, and who are desirous of obtaining additional academic qualifications.
Master of arts (MA) 1 year from honors bachelor's degree.
Doctor of philosophy (PhD)

Commerce
Bachelor of commerce (honors) [BCom(Hon)] 4 years with specialization available in accounting, finance, human resources, information systems, international business, marketing, operations management.

Computer science
Bachelor of computer science (honors) [BCS(Hon)] 4 years. A 5-year co-operative program BCS(Hon) is available. Specializations available in software, hardware, scientific applications, theory of computing, management and business systems.
Master of computer science (MCS) 1 year from honors bachelor's degree.

Engineering
Bachelor of engineering (BEng) 4 years. Specializations available in civil, mechanical, electrical, computer systems and aerospace engineering.
Master of engineering (MEng) 2 years from bachelor's degree in engineering.
Doctor of philosophy in engineering (PhD)

Industrial design
Bachelor of industrial design (BID) 4 years from senior matriculation.

Journalism
Bachelor of journalism [BJ(Hon)] 4 years.
Master of journalism (MJ)

Public administration
Bachelor of public administration [BPA(Hon)] 4 years.
Certificate in public service studies (CPSS) OSSD (Ontario secondary school diploma) required for admission. Applicants without OSSD will be considered on their merits and the completion of certain subjects at Carleton University before admission is granted. The course consists of 6 courses to be completed in full-time or part-time study.
Graduate diploma in public administration (DPA) 1 year from bachelor's degree from a recognized college or university in the required pattern.
Master of arts in public administration (MA) 1 year or more from either a bachelor's degree and the graduate diploma in public administration or a bachelor's degree with either honors or an additional year of graduate work.

Science
Bachelor of science (BSc) pass and honors.
Master of science (MSc) 1 year from honors BSc.
Doctor of philosophy (PhD)

Social work
Master of social work (MSW)

Special programs
School of public administration, the Norman Paterson School of International Affairs, school of journalism, school of social work, Institute of Canadian Studies, Institute of Soviet and East European studies, Institute of Biochemistry.

Interdisciplinary programs and courses in computing science, humanities, sciences, women's studies, and criminology and criminal justice are offered.

The university sponsors an extensive series of public lectures on a range of topics, concerts, dramas, films and other cultural events of interest to the general adult community.

Continuing education
Students take courses in all disciplines on a part-time basis either during the day or evening division to qualify for degree studies, to upgrade professional skills or for personal development. Individual faculties should be

consulted to determine if it is possible to complete the program entirely by evening study.

Courses are also offered through instructional television (itv) in Eastern Ontario.

Fall/winter session (September to April) and summer session (May to August).

Admission Requirements

Preliminary year

Ontario: For admission to qualifying year (equivalent to Grade 13), successful completion of Ontario secondary school graduation diploma with minimum average of 70% including appropriate prerequisites at level 4.

Other provinces: The following academic standings are required for admission to the qualifying year program. Quebec: Successful completion of Quebec secondary V with a minimum 70% average and 6, 2-unit college preparatory subjects at the secondary V level. Students from British Columbia, Alberta, Saskatchewan, Manitoba, New Brunswick, Prince Edward Island and Newfoundland are not eligible for admission to qualifying program.

Undergraduate

Admission to first year requires Ontario secondary school diploma (OSSD) with 6 OACs with minimum average of 60% for a pass program and 65% for an honors program.

Other provinces: For admission to year 1 of university studies, the following academic standings are required. Quebec: First year of the general or pre-university CEGEP programs with a minimum third-class honors standing, including appropriate prerequisites. Alberta, British Columbia, Saskatchewan, Manitoba, New Brunswick, Nova Scotia, Prince Edward Island and Newfoundland: Grade 12 with a 60% average for pass and 65% for honors.

Mature students

Persons lacking normal entrance requirements but who are 21 years of age or over by December 31 of the year in which they wish to enrol and can give evidence of potential success in university studies will be considered for admission to full-time studies. Applicants will normally have been away from full-time studies for a minimum of 2 years.

Senior citizens

Senior citizens, 60 and over, are required to pay $5.00 per course per session. Senior applicants are not usually subject to regular admission requirements.

Graduate

A bachelor's degree or its equivalent for a master's program and a master's degree for a PhD program. In many departments, applicants who do not qualify for direct admission to a master's degree program may be considered for admission to a qualifying-year program.

International students

International students may be considered for admission to either the qualifying year or first year. Certificates equivalent to Ontario honor graduation required.

Students whose mother tongue is not English must present a score of at least 580 on the Test of English as a Foreign Language (TOEFL).

UK and Commonwealth: GCE or equivalent in 5 subjects with at least 2 at A-level for first year admission.

USA: High school graduation with a minimum of 16 units in Grades 9 to 12 for qualifying year (freshman) consideration. Advanced placement with grades of 3 or better. Those who achieve a high level of standing in the first 10 courses at Carleton may have their program assessed for a possible reduction in degree requirements. College Board's SAT required.

Other: Candidates submitting the International Baccalaureate will be considered for admission to first year.

Application Deadlines

Applicants from abroad and in-country international applicants seeking admission in September must submit applications by March 1. Mature students, transfer students and high school applicants, July 1. Special students (Carleton students registered in degree-credit courses without having been formally admitted to the university), August 1.

Graduate candidates whose documents originate outside Canada must apply by June 1. All other applications for graduate programs must be received no later than August 15.

Applicants wishing to be considered for scholarships, fellowships or assistantships administered by Carleton must submit their applications by March 1 (except in the case of the school of social work and the department of psychology who require completed applications to be submitted before February 1).

Academic Year

Fall/Winter session: September to early April. The fall session runs from September to December, the winter session from January to April. Day and evening courses are offered. Summer session: May to end of examination period in August. Evening division begins in May and continues until August. Day division begins in July and continues until August. Courses offered in the first or second halves of these periods are designated first or second term courses respectively.

Grading System

All faculties use a 12-point grading system ranging from A to D. The percentage equivalents are as follows: A+, 90-100%; A, 85-89%; A-, 80-84%; B+, 77-79%; B, 73-76%; B-, 70-72%; C+, 67-69%; C, 63-66%; C-, 60-62%; D+, 57-59%; D, 53-56%; D-, 50-52%.

Student Life and Services

The Carleton University students' association (CUSA) is a separately incorporated student-run organization that

promotes the interests of the student body. Every student at Carleton is a member of CUSA.

The policy body of CUSA is the 34-member students' council, elected annually by the student population. Representation on councils is proportional by faculty, plus a president and finance commissioner elected at large.

CUSA funds and/or operates a variety of services such as the radio station, a student newspaper The Charlatan, off-campus student centre (The Den), mature and part-time students' centre, peer support centre, a public interest research group, women's centre, international students' centre, disability awareness centre, Information Carleton, photo service, exam library, typing and binding service, fax service, drug and accident reimbursement plan, various publications including a student handbook and a telephone directory, an assortment of clubs and academic societies, alternate education programs, speaker series, as well as concerts. CUSA includes in its activities the operation of The Unicentre Store, a games area including an arcade and billiards, an expanded Rooster's Coffee House and a pub called Oliver's.

CUSA as a lobbying body represents the students' interests to all levels of governmental administration. These efforts are helped by the associations, and therefore the students' membership in various federated student organizations.

The university has 7 residence houses which accommodate 1,681 students. Renfrew House is a graduate student residence housing 95 people in single sex and co-educational floors. Lanark House accommodates 175 in a co-educational environment. Russell House (housing 179) and Grenville House (housing 181) are all male and all female environments respectively. Glengarry House accommodates 649 people in single-sex and co-educational floors while Dundas House and Stormont House accommodate 200 people each. Rooms in Glengarry, Stormont, Dundas, Russell and Grenville have been renovated to accommodate the physically disabled.

The residence program provides housing for the entire academic year and includes a 14 meal per week board program. First year students are accommodated in double rooms and upper year students normally receive single rooms. First year students with a high school leaving average of 80% or over receive priority admission to residence.

The university maintains an off-campus housing service in which interested landlords list available accommodation. The listings are posted and are accessible 24 hours a day.

On campus day care is available. The centre presently has 52 spaces (ages 6 mo. - 5 years). Priority is given to the university community. Subsidies are available to those who qualify according to income.

Medical and mental health services are available on campus to all students and staff at the university. Physicians, nurses and psychiatrists are in attendance. The clinic has regular hours with evening clinics available. For appointments call 788-6674.

There is a health educator on site who provides ongoing educational programs on contraception, stress management, alcohol awareness, weight control, smoking cessation, etc.

Counselling services is an educational resource centre available to all members of the university community. It provides a variety of learning experiences to facilitate personal growth and adjustment, maximum development of individual potential, and the realization of personal, academic and career goals. A qualified team of counselling professionals offers a wide range of services and programs.

The physical recreation program is designed to meet 3 general areas of interest: Interuniversity athletics, intramurals and recreational skill instruction. The university's present outdoor athletic facilities include football and soccer fields, 5 tennis courts and a broomball rink. The indoor facilities consist of a 50 m pool and a 10 m diving platform; a fitness centre with jogging track, double gymnasium, squash courts, nautilus centre and heavy weight room; sports medicine and physiotherapy clinics.

Student employment on campus is available in the bookstore, student associations, the University Centre, the library and the various food services. Recruiting is done individually by these offices. Students interested in part-time positions for the academic year should register at an early date with the Canada Employment Centre. Information is also available concerning permanent employment as well as summer opportunities and the holdings of the centre's guidance library are of use to those exploring career areas.

Student services also include office of the ombudsman.

Carleton University offers a variety of services for the disabled. There is a need to co-ordinate these various activities, and to advocate on behalf of students for needed services. The Paul Menton Centre for Persons with Disabilities has a professional staff whose goal is to promote the availability and accessibility of postsecondary education to disabled persons and to act in the interests of students and groups. The centre provides counselling for all disability groups. The centre has three counsellors an assistant director of counselling and student life services (special needs), a co-ordinator of learning disabilities learning assistance programs and a co-ordinator of physical disability programs.

All of the buildings at Carleton are linked by an accessible underground tunnel system. The main buildings have elevators and are ramped for outside entrance and exit. Students with disabilities may use the technical equipment which is located in the library and the centre. A technical device co-ordinator is available for information and instruction. Carleton has a unique 24-hour attendant care program in the residences for students who need ongoing support services. The Menton Centre provides note-takers, scribes, readers and tutors, as well as free photocopying for students with disabilities. For further information, contact The Paul Menton Centre for Persons with Disabilities telephone, (613) 788-6608 (voice or TDD) or fax (613) 788-3995.

Research Units

Arts

The Carleton Centre for Renaissance Studies and Research. Director: D.A. Beecher

Carleton University Survey Centre. Director: A. Frizzell

Centre for Editing Early Canadian Texts (CEET). Director: M.-J. Edwards

Centre for Research on Culture and Society. Director: J. Shepherd

Emergency Communications Research Unit. Director: T.J. Scanlon

From Postwar to Postmodern German Literature. Director: J. Goheen

Groupe de recherches international "1900". Director: A. Tolley

The Linguistic Survey of the Ottawa Valley. Director: I. Pringle

Textual Analysis, Discourse and Culture (TADAC). Director: B. Rutland

Theory and Criticism of Latin American Theatre. Director: F. De Toro

The Writing Research Group. Director: A. Freedman

Engineering

Architectural Research Group. Director: G. Sutton

Centre for Advanced Studies in Computer Aided Design and Engineering. Director: J. Goldak

Centre for Industrial Design Research. Director: W. Gilles

Human Settlement Development Centre. Director: J. Flanders

Mobile and Portable Radio Communication Systems. Director: S. Mahmoud

Ottawa-Carleton Bridge Research Institute. Director: J. Humar

Ottawa-Carleton Centre for Communications Research (OCCCR). Director: D. Falconer

Real Time and Distributed Systems Group. Director: C.M. Woodside

The Transportation Research Centre. Director: A. Khan

Transportation Technology Research Laboratory. Director: J. Wong

Science

Algorithms and Complexity Research Group. Director: F. Dehne

Carleton Centre for Research in Algebra and Related Fields. Director: L. Ribes

Derry Laboratory for Sedimentary Geochemistry.

Entomology Research Group. Director: H.F. Howden

High Energy Physics Group. Director: R. Carnegie

Instrumentation Development Group. Directors: J. Armitage and R. Carnegie

Intelligent Systems. Director: F. Oppacher

Laboratory for Research in Statistics and Probability. Directors: M. Csorgo and D. Dawson

Medical Physics. Director: P. Johns

Object-Oriented Programming. Director: D. Thomas

Ottawa-Carleton Resource Centre for Biological Microscopy. Director: N. Chaly

Parallel and Distributed Computing (PARADISE). Director: J. Neilson

Stable Isotope Facility. Director: F. Michel

Statistical Consulting Centre. Director: S.E. Mills

Social sciences

Canadian Centre for Trade Policy and Law. Director: M. Hart

Carleton Industrial Organization Research Unit (CIORU). Director: T. Ross

Cartographic Research Unit. Director: D.R.F. Taylor

Centre for Canadian-Soviet Studies. Director: L. Black

Centre for Development Research and Training. Director: D.R.F. Taylor

Centre for International Negotiation and Dispute Resolution. Director: B. Tomlin

Centre for International Research and Training. Director: J. O'Manique

Centre for International Trade and Investment Policy Studies (CITIPS). Director: L. Eden

Centre for Policy and Program Assessment. Director: A. Maslove

Centre for Quantitative Social Sciences. Director: J. Bernstein

Centre for Research in Human Factors. Director: B.W. Tansley

Centre for Research on Ethnolinguistic Minorities, Etc. (CREME). Director: J. de Vries

Centre for Social Welfare Studies. Director: F. Abele

Centre for the Study of Asian Pacific Trade and Investment. Director: P. Davidson

Comparative Law and Aboriginal Justice Centre. Director: J. Cove

Decision Analysis Laboratory. Director: G.E. Kersten

East-West Project. Director: C.H. McMillan

Geotechnical Science Laboratories. Director: M.W. Smith

Interdisciplinary Native Studies Group. Director: M. Davies

International Business Studies Group. Director: N.G. Papadopoulos

Jurisprudence Centre. Director: N. Sargent

Labour Studies and Resource Centre. Directors: J. Myles and W. Clement

Manufacturing Systems Centre. Director: V. Kumar

Northern Native Studies Group. Director: S.R. Mealing

Research Centre for Technology Management. Director: L. Duxbury

Research in Education Centre. Director: C. Gordon

Resources Development Research Centre. Director: M. Smith

Small Business Advisory Program.

Studies in Law and Social Change Centre. Director: N. Sargent

Concordia College*

General Information

Address: 7128 Ada Boulevard, Edmonton, Alberta T5B 4E4
Telephone: (403) 479-8481
Fax: (403) 474-1933

Acting President: Richard W. Kraemer, MA, MDiv, STM

General inquiries: Direct general correspondence to the president

Admissions inquiries: Direct general inquiries to Lynn R. Gergens, dean of admissions and recruitment

High school liaison officer: Lynn R. Gergens
Statistical Information (1989-90)

Enrolment (1989-90)

Full-time undergraduate	1078
Part-time undergraduate	140

Full-time faculty (1989-90): 47

History and Governance

Concordia College was founded in 1921 by the Lutheran Church-Missouri Synod. The college's original purpose was to prepare young men to be pastors. Co-education, general courses of study and an accredited high school program were introduced in 1939. Since 1967 the college has offered university transfer courses through an affiliation agreement with the University of Alberta. In July 1987 the government of Alberta authorized the college to grant 3-year BA and BSc degrees. The first degrees were awarded in the spring of 1988.

Concordia College is a co-educational, government-supported liberal arts college owned by Lutheran Church-Canada. The college welcomes students of all faiths interested in a sound undergraduate education in a Christian environment. Concordia is governed by a 12-member board of regents. Academic policy is regulated by the faculty.

Buildings and Grounds

Concordia College is in Edmonton, the provincial capital, with a population of over 780,000 in the metropolitan area. The Highlands campus is located on 14 acres overlooking the North Saskatchewan River Valley, northeast of the city centre. Fourteen buildings house classrooms, laboratories, faculty and administrative offices, the Arnold Guebert Memorial Library, the cafeteria, and residences for men and women. The Braemar campus, a 7-minute drive to the southeast in the Ottewell district, includes the offices of development and communications, continuing education, the Centre for Career Development Innovation, classrooms, computer laboratories, and recreational facilities. During the academic year the campuses are linked by a free shuttle service. Free student parking is available on or adjacent to both campuses, which are also readily accessible by public transportation.

Library

The Arnold Guebert Memorial Library houses a collection of 91,570 volumes, which includes 55,000 printed volumes and 36,570 equivalent volumes of micro-materials, as well as 4,400 pieces of audio-visual materials, 348 current periodical titles, and 513 maps. There are 10 on campus databases as well as on-line searching capabilities and an on-site DOBIS catalogue through which students have access to the approximately 3 million volume collection of the University of Alberta library system. The library has 157 study stations.

Programs and Degrees

BA and BSc degrees require 3 years beyond senior matriculation (15 full courses, 90 credits).

Three credits normally represent 3 lecture hours per week for 1 semester. Six credits is equivalent to 3 lecture hours per week for 2 semesters.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts
Bachelor of arts (BA)

Science
Bachelor of science (BSc)

Transfer programs
The college offers 2-year transfer programs to the University of Alberta in arts, science, education, business, medicine, law, dentistry, and pharmacy; to the University of Calgary in social welfare; and to the Western College of Veterinary Medicine. It offers 1-year transfer programs to the University of Alberta in agriculture, food science, forestry, home economics, industrial arts education, physical education, and recreation administration.

Special programs
Diploma and certificate courses in career counselling are offered through the Centre for Career Development Innovation (CCDI). Address inquiries to the CCDI office, telephone, (403) 466-6633.

University and College Entrance Program (UCEP): UCEP is a 1-year program designed to allow adults to achieve the necessary requirements for most postsecondary institutions under the mature student guidelines. One UCEP program is especially directed at native students. Address inquiries to the continuing education office, telephone, (403) 466-6633.

* Provisional member, AUCC. Affiliated with the University of Alberta.

Continuing education

Weekend college: The weekend college program is designed for adults who are not free to attend college classes during the week.

Spring and summer session courses are offered in a variety of subjects. Address inquiries to the continuing education office, telephone, (403) 466-6633.

Admission Requirements

Alberta students: Candidates must have a minimum average of 60% on 5 appropriate Grade 12 subjects with a minimum mark of 50% in each subject. A limited number of students who do not meet standard admission requirements may be admitted to a first-year matriculation deficiency program operated in conjunction with Concordia College High School. Details are available from the admissions office.

Out-of-province students: Candidates must present equivalent subjects from Grade 13 (Ontario), CEGEP 1 (Quebec), or Grade 12 (all other provinces and territories).

Transfer students

Candidates with a minimum GPA of 5.0 (or equivalent) who have completed postsecondary work elsewhere may transfer to Concordia up to 60 credits for courses deemed equivalent to those offered at Concordia. Each application will be assessed on an individual basis.

Mature students

Students aged 21 years and over may be admitted under reduced course requirements. Admission is based on a 60% average in required subjects.

International students

Candidates must complete a foreign student application and must submit official transcripts, listing courses, grades, standing in class, and other related information. Photocopies are acceptable provided they bear the official seal of the school and the signature of the responsible issuing officer. Transcripts must indicate how grades are to be interpreted.

The language of instruction at the college is English. Candidates whose native tongue is not English must present a minimum score of 550 in the Test of English as a Foreign Language (TOEFL). A candidate unable to meet this requirement may be considered for admission to Concordia College High School.

Candidates who have completed all or part of the International Baccalaureate program will be considered for admission. Students receive advanced credit or placement on a subject-by-subject basis, depending on the subject and the level completed.

Commonwealth and Europe: Final-year secondary school graduation (maturity) certificate.

USA: Full academic high school program.

Japan, Korea, and Taiwan: First-year university standing in appropriate subjects.

Hong Kong: For most programs, 5 GCE passes are required, with at least 2 passes at the A-level. Science-related faculties require 3 passes at the A-level.

Application Deadlines

The application deadline for the fall session is June 30; for the winter session November 15; for the spring session March 30; for the summer session April 30. The deadline for international students seeking admission in the fall session is March 31.

Costs (1990-91)

A student registered in 4 or more full courses will be assessed full tuition. A student registered in fewer than 4 courses in a semester will be assessed at the part-time tuition rate.

Full-time education fee per year: $2,245 (Canadian citizens and permanent residents). International students pay an additional fee of $1,500. Part-time education fee: $99 for each credit hour.

Additional fees: Application fee $25; student association fee $45; student insurance $8; yearbook $25. Fees for labs and practical music will be assessed according to individual programs.

Residence fees: Room $1,290; food services $2,580; total $3,870.

Academic Year

Fall session: September 5 to December 17. Winter session: January 7 to April 24. Spring session: May 6 to 24 (term 1); May 27 to June 14 (term 2). Summer session: July 2 to 19 (term 1); July 22 to August 9 (term 2).

Grading System

Nine-point grading system as follows: 9, 8 (excellent); 7, 6 (good); 5, 4 (pass); 3, 2, 1 (fail). The minimum grade point average required for graduation is 5.0.

Student Life and Services

All students are members of the student association, governed by the Concordia College student council, which has 16 elected members. The council promotes student involvement in a wide range of cultural, social, educational, and spiritual experiences, sponsors a variety of clubs, and speaks on behalf of students to the college administration, to other student groups, and to the provincial government. The council appoints student members to sit on the college's standing faculty committees.

Concordia's athletic program emphasizes basketball, volleyball and hockey. A number of minor sports, such as badminton and curling, are also offered. The college's location above the North Saskatchewan River Valley provides excellent running and cross-country ski trails.

The lively music program includes a 60-voice student choir, a community choir, a small vocal ensemble, a community orchestra, and instrumental ensembles. The drama program, the yearbook, and the student newspaper provide further opportunities for student involvement. As well, Edmonton offers a wide variety of cultural activities. Students are encouraged to participate in church and social volunteer work.

The campus residences provide room and board for 110 students who live in Eberhardt Hall and The Annex (women) and Founders Hall (men). The residences are staffed by 2 resident counsellors and 6 student assistants. All students living in the residences are required to participate in the meal plan. The cafeteria, open to everyone, offers nutritious meals at reasonable prices. Students who need help in finding appropriate accommodation should inquire through the office of the dean of student affairs.

The campus bookstore provides texts, school supplies, and sundry items at reasonable prices.

Jobs on campus are available to students during the academic year and in the summer. Information is available through the dean of business affairs.

Medical services may be arranged through the dean of student affairs, using the student's provincial health care plan. Concordia maintains ready access to area medical clinics and hospitals.

Academic, personal, and career counselling services are available to all students. Faculty advisors and registration counsellors provide academic counselling, co-ordinated by the registrar. The dean of student affairs co-ordinates the personal and career counselling programs. The dean and other qualified counsellors are pleased to discuss any concern and to provide references to other counselling services beyond the college for students with personal difficulties. Student groups such as the mature student association provide mutual support and encouragement. Career counselling programs are developed jointly with the Centre for Career Development Innovation.

The dean of spiritual life directs the worship and spiritual life programs of the college, serving as chaplain, organizing daily chapel services and other devotional activities, and offering time for counselling and friendship.

Concordia University*

General Information

Address: Sir George Williams Campus,
1455 de Maisonneuve Boulevard West, Montreal,
Quebec H3G 1M8
Telephone: (514) 848-2424
Address: Loyola Campus, 7141 Sherbrooke Street West,
Montreal, Quebec H4B 1R6

Rector and Vice-chancellor: Patrick J. Kenniff, LLL, PhD

Inquiries: Direct general correspondence to the registrar, Bruce Smart, BA

Full-time faculty (1989-90): 875

History and Governance

Concordia University was established in August 1974, by the merger of Sir George Williams University and Loyola College.

Concordia assumed the Sir George Williams University charter, which was passed by the Quebec legislative assembly in February 1948.

Sir George Williams University was developed from the formal educational work of the Montreal YMCA inaugurated in 1873, the first university-level classes were offered in 1929. Loyola College originated as the English side of the Jesuit Collège Ste-Marie in 1848. It began operating as a separate entity in 1899; its graduates first received degrees from Université Laval and later from Université de Montréal.

The university is a co-educational, non-denominational institution supported by public and private funds. It is governed by a 40-member board of governors and a senate of 37 voting members.

International Mandate

The Council for International Co-operation supports the university's international initiatives and helps develop new projects. It also maintains internal and external links, and advises the university on the long-term organization of international academic activities on campus. The council negotiates and administers linkages with foreign universities, receives foreign delegations, and provides support to international faculty and student exchanges. Contact: Ms. Elizabeth M. Morey, acting director, Council for International Co-operation. Telephone: (514) 848-4989.

Buildings and Grounds

Concordia owns or rents space in more than 60 buildings on 2 campuses: 1 downtown and 1 in west-end Montreal. The Loyola Campus, in west-end Montreal, is located on a 50-acre site housing lecture and seminar rooms, auditoria, laboratories, studios and specialized rooms. The largest part of the Sir George Williams Campus is housed in 3 large buildings. The Henry F. Hall Building houses the engineering and science library, class and seminar rooms, auditoria, faculty offices, laboratories for natural sciences and engineering, psychology, sociology, and language laboratories, computer terminals, a theatre, a cafeteria, and art galleries. The Norris Building houses the main campus library, the departments of English and history classrooms and administration offices. The Visual Arts Building houses specialized studies for painting, sculpture, drawing and graphic design as well as classrooms, auditoria, faculty offices and a cafeteria. The Lacolle Centre for Education Innovation is an off-campus facility located 65 km south of Montreal.

Facilities for handicapped students are available within the physical limitations of the 2 campuses. The Hall Building, containing most of the Sir George Williams campus facilities, is particularly convenient. The dean of students' offices and handicapped information centres on both campuses provide maps and brochures outlining facilities for the handicapped at the university.

Libraries

The Concordia University libraries contain a growing collection of more than 1.5 million items. There are 2 major libraries on each campus which house particular general collections as well as a number of special collections. The library system is accessible to the disabled. A disabled persons monitor is available to assist individuals in making any special arrangements for library instruction and research.

The library subscribes to a number of databases allowing researchers access to various information retrieval systems.

Special collections: Masonic Collection
Rudnychyj Archives dealing with the Royal Commission on bilingualism and biculturalism and ethnic groups in Canada
Irving Layton Collection
Quinn Pamphlet Collection on Politics in Quebec
CBC radio drama archives
William Notman Collection of Photographs of the Victoria Bridge construction and the city of Montreal in 1859.

Programs and Degrees

Undergraduate level certificates require successful completion of 30 or more credits beyond the DEC (diplôme d'études collégiales/diploma of collegial studies), depending on the program.

Three credits normally represent 3 lecture hours per week for 1 term. Six credits is usually equivalent to either 3 lecture hours per week for 2 terms or 6 lecture hours per week for one term. Extra credits may occasionally be awarded for labs or particularly demanding courses.

Bachelor's degrees, other than the bachelor of engineering, require successful completion of 90 credits beyond the DEC, and may be completed in 3 years of

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full-time study. The bachelor of engineering degree requires from 113 to 117 credits beyond the DEC; the number of credits varies depending on the option chosen and the previous preparation of the student. Students admitted with advanced standing must take a minimum of 45 credits at the university (60 credits for the bachelor of engineering), at least 50% of which must be in their field of specialization. Those seeking a second degree at the bachelor's level must successfully complete a minimum of 60 credits, with at least 36 in their new field of specialization.

The language of instruction is English but students may submit assignments and examinations in French. All bachelor's degree candidates who first entered their programs after July 1983 (1984 in fine arts) must pass, or be exempt from, a writing proficiency test in either English or French.

Graduate diplomas require successful completion of 30 or more credits beyond the bachelor's degree, depending on the program.

Master's degrees normally require a minimum residence of 1 calendar year beyond the bachelor's degree, but certain programs require longer minimum residence periods.

Doctoral degrees require a minimum residence of 2 calendar years beyond the master's degree.

The university has strong traditions in part-time education and most of its undergraduate and graduate programs may be completed on that basis. The minimum residence requirements for master's and doctoral degrees are then extended.

For detailed information on programs, see **Degree, diploma and certificate** chapter.

Arts and science

Bachelor of arts (BA honors, BA specialization, BA major)
Bachelor of education [BEd (teaching English as a second language)]
Bachelor of science (BSc honors, BSc specialization, BSc major)
Master of arts (MA)
Master of science (MSc)
Master in the teaching of mathematics (MTM)
Doctor of philosophy (PhD)

Commerce and administration

Bachelor of administration (BAdmin specialization)
Bachelor of commerce (BCom honors, BCom major)
Master of business administration (MBA)
Doctor of philosophy [PhD (administration)]

Engineering and computer science

Bachelor of computer science (BCompSc honors, BCompSc)
Bachelor of engineering (BEng)
Master of computer science (MCompSc)
Master of engineering (MEng)
Doctor of philosophy (PhD)

Fine arts

Bachelor of fine arts (BFA honors, BFA specialization, BFA major)
Master of arts [MA(art education; art history)]
Master of fine arts [MFA (studio arts)]
Doctor of philosophy [PhD (art education)]

Special programs

The university offers a number of programs in a co-operative format whereby 7 study terms are interspersed with 4 work terms. Programs offered in the co-operative format are building engineering, chemistry and biochemistry, computer science, economics, exercise science, mathematics and statistics, and physics.

Continuing education

A wide variety of special programs and courses is available through the centre for continuing education for individuals not necessarily interested in following regular undergraduate or graduate programs. For most, a certificate of achievement is issued by the centre upon successful completion of required work. Course offerings are reviewed and supplemented frequently to ensure they satisfy the changing needs of the community. Programs include hospitality management program (management of hotels, restaurants, and institutional and commissary food service establishments); portfolio, investment and tax planning management; tourism management practices; security administration (private and industrial security, offered in French and English); journalism; advertising and public relations; and small group special interest courses (to develop particular skills, further interest or satisfy curiosity). Programs are also available in various areas in music and arts.

The centre's continuing education language institute has designed an expanded program of English and French instruction to meet the needs of adult students seeking language training for professional, social and academic purposes. Day and evening courses are offered during the year. All classes are limited in size to ensure maximum student/instructor contact.

Academic programs are offered in a number of countries. Usually scheduled between April and September, these courses are regular university offerings under the direction of an academic department.

Seminars and workshops, sponsored with co-operation of an academic department or faculty, are scheduled to meet community needs in topics which are not normally part of regular degree programs.

Admission Requirements

Undergraduate

Quebec: Holders of the DEC or its equivalent are considered for admission to a regular undergraduate program. Candidates for admission are expected to have successfully completed specific courses required for entry into a given undergraduate program. These pre-university "profiles", established through joint action of the Quebec universities and the Quebec Department of Education, will be found in the department's booklet,

Accueil 86-Structures d'accueil aux études universitaires de 1er cycle pour septembre 1986. Further information may be obtained from the office of admissions.

Other provinces: Ontario Grade 13 graduates with a minimum overall average of at least 65% in appropriate subjects are normally considered for admission to a regular undergraduate program. Individuals who have completed Grade 12 in Canadian provinces other than Quebec with a minimum overall average of at least 65% in appropriate subjects are considered for admission to an extended undergraduate program requiring the completion of 30 credits more than the corresponding regular program.

Mature students

Applicants not satisfying the normal academic requirements for admission may be considered for admission on the basis of potential to undertake undergraduate studies provided they (a) are either Canadian citizens or permanent residents; (b) will be at least 21 years of age by a date specified in the undergraduate calendar; and (c) have been away from full-time study either for 24 months since attaining the age of 18, or for 12 months with no unfavorable academic record in the past 24 months. Further information is available from the office of admissions.

Senior students

A fee of $6 per half-course is required from senior citizens as follows: a) seniors, 60 years of age or more, taking "special non-credit" courses; b) seniors 65 years of age or more, participating in regular credit courses within the faculty of arts and sciences, but not seeking to obtain a certificate, degree or other qualification.

Any other courses taken by seniors, whether 60 or 65 years of age, are subject to standard fees and regular admission requirements.

Graduate students

The normal admission requirement for a diploma is a bachelor's degree; for a master's program, a bachelor's degree with honors in a relevant discipline; for a doctoral program, a master's degree with high standing in the field of study. Several programs have additional requirements: for example, the MBA program requires applicants to take the Princeton graduate management admission test; applicants to psychology master's programs should write the graduate record examination and Miller analogies test. Detailed information about each program can be found in the graduate calendar, which is available upon request.

International students

Students may be required to demonstrate proficiency in the English language by writing the Concordia English Language Test (available only to applicants from within the Montreal area), the Test of English as a Foreign Language (TOEFL) or the University of Michigan English Language Test.

UK and Commonwealth: Applicants must present 5 appropriate general certificate of education papers including at least 2 at A-level or equivalent to be considered for admission to a regular undergraduate program. Students with better than average results in 5 acceptable O-level papers or equivalent, plus 1 full year of formal schooling beyond O-level papers, may be considered for admission into an extended undergraduate program (as described under Other provinces above).

USA: High school graduates from accredited schools who have followed an academic program designed for university entrance may apply for admission to an extended undergraduate program (as described under Other provinces above).

The International Baccalaureate is recognized.

Other: Information with respect to admission requirements and placement levels may be obtained by writing to the office of admissions.

Applications and Deadlines

Closing dates for receipt of applications vary with the program.

Academic Year

Fall term: September to December. Winter term: January to early May. Summer sessions: May to June and July to August.

Grading System

Letter grades are used in all faculties. Grades range from A+ to R (repeat). Students may write their assignments and examinations in English or French.

Student Life and Services

A wide variety of extra-curricular activities is available to students. These vary from clubs for students with cultural, social or political interests to office in student government itself.

The opportunity for training and development in radio, television and the newspaper field is available through the various student-run media. Clubs and student-run activities as well as student faculty associations are grouped under the Concordia University students association (CUSA), whose officers are elected by the full-time and part-time undergraduate students. The graduate students' association includes all students registered for a program of graduate studies at the university. Concordia University has a wide variety of extra and co-curricular programs for full-time and part-time students. The 2 student associations offer opportunities to participate in social and special interest groups, student government, and training and development in radio, television and journalism.

The Loyola campus is the focal point of the university's physical education and athletics program. It includes amongst its facilities full-length playing fields, outdoor activities, and a physical education centre containing facilities for men and women, a gymnasium and an ice arena.

The Sir George Williams campus offers an extensive intramural and recreational sports program for all

students. The program uses university facilities and the downtown YMCA.

Fall orientation programs on both campuses are designed to familiarize new students with the various services and facilities available to them and to help them resolve any problems which may be encountered during their introduction to university life.

Residence accommodation is available to approximately 250 full-time students. The facilities can house students in traditional dormitory or apartment style rooms and include a cafeteria and cooking facilities. Students who wish to live off-campus may consult the off-campus housing service which maintains a list of available apartments, homes and rooms.

Physicians are available daily through the health service on each campus. The service has a referral system with outside specialists and related agencies. It is equipped to handle most medical problems and emergencies. The university group health and accident insurance plan is compulsory for all single and married out-of-country students entering the university as they are not eligible for medical or health coverage under the Quebec Health Insurance Plan.

Legal advice is offered to all students who may require assistance on matters relating to their legal rights. An appointment to see a lawyer can be made through the legal aid office at either campus. Commissioners of oaths are also available on each campus.

The Loyola and Sir George Williams campus ministries are concerned with deepening personal awareness and awakening a sense of social responsibility within the university community. The chaplains, representing different faiths, organize various programs and are available for personal religious guidance and counselling.

Handicapped information centres on both campuses offer a range of services, including counselling.

The university ombuds office consists of 1 full-time and 2 part-time ombudspersons. The part-time ombudspersons must be individuals already employed by the university at the time of their appointment and 1 must be a tenured member of faculty. The primary role of the office is to function as a liaison and mediator in the variety of conflicts that may arise among different areas of the university.

The office of guidance services, located on both campuses, provides: Individual and group counselling; an information service with emphasis upon graduate and career planning; reading skills development and study skills program. The Canada Employment and Immigration Commission has an employment centre on each campus. Complete university bookstore facilities are available on both campuses.

Child care services are offered for children of students, faculty and staff. On the Sir George Williams campus, parents may enrol children 2' to 5 years of age and 45 spaces are available. The Loyola campus child care facility has a capacity for 37 children: 5 infants from 3 to 18 months, and 32 children from 18 months and over. It costs on average $355 per month per child attending on a full-time basis.

Responsibility for policy and budgets for the wide range of student services rests with the Concordia council on student life composed of students, faculty and student services staff. The council has the responsibility for establishing priorities in student services to meet changing student needs. Students are also represented on all university bodies, including the senate, the board of governors and the faculty councils.

The 2 campuses are easily accessible by public transit. Both are serviced by several bus routes and Sir George Williams is only a few minutes away from a downtown subway station. A free shuttle-bus service is operated on a regular basis between the 2 campuses. Student parking facilities exist only at Loyola campus.

Research Institutes, Centres and Programs

Applied Psychology Centre. Director: W.J. Brender, BA, MSc, PhD

Centre de recherche informatique de Montréal (CRIM). Director: P. Coulombe

Centre d'études du Québec. Director: Cameron Nish, BA, MA, PhD

Centre du calcul mathématique algébrique. Directeur: H. Kisilevsky, BSc, PhD

Centre for Building Studies. Director: P.P. Fazio, MASc, PhD, EngQue

Centre for Composite Structures and Materials. Director: S.V. Hoa, BSc, PhD

Centre for Human Relations and Community Studies. Director: R. McDonald, BA, MSW

Centre for Industrial Control. Director: R.M.H. Cheng, MSc, PhD

Centre for Research in Human Development. Director: L. Serbin, BA, PhD

Centre for Research on Inorganic Materials. Director: P. Bird, BSc, PhD

Centre for Small Business & Entrepreneurial Studies. Director: A.B. Ibrahim, BCom, MBA, PhD, CARIA/CMA

Centre for Studies in Behavioral Neurobiology. Director: R.A. Wise, MA, PhD

Centre for Systems Research and Knowledge Engineering. Director: P.D. Mitchell, BSc, MA, PhD

Concordia Centre for Automated Vehicle Engineering. Director: S. Sankar, BEng, MEng, DEng

Concordia Centre for Broadcasting Studies. Director: J.D. Jackson, BA, MA, PhD

Concordia Pattern Recognition and Machine Intelligence Research Centre. Director: C.Y. Suen, BScEng, MScEng, MASc, PhD

Concordia Signal Processing & Communication Research Centre. Director:M.N.S. Swanay, BSc, D..Sc, MSc, PhD

Concordia Transportation Management Centre. Director: K.L. McGown, BSc, MBA, PhD

Conservatory of Cinematographic Art. Director: S. Losique, LèsL, Dipd'EtSup, DU

Interuniversity Centre for European Studies (in conjunction with all Montreal universities). Director: Guy Bouthillier, Doct

Interuniversity Centre for the Study of Religion (in conjunction with Université du Québec à Montréal). Director: Louis Rousseau, PhD

Picosecond Laser Flash Photolysis Centre. Director: Dave K. Sharma, PhD

Science Industrial Research Unit. Director: R. Patterson, BSc, MBA

Société d'informatique et de recherche pour l'industrie de la construction. Director: P.P. Fazio, MASc, PhD, EngQue

Treasury Management Centre. Director: M. Anvari, BEng, MBA, MS, PhD

Dalhousie University*

General Information

Address: Halifax, Nova Scotia B3H 3J5
Telephone: (902) 494-2211
Telex: 019-21863
Fax: (902) 494-2319

President and Vice-chancellor: Howard C. Clark, BSc, MSc, PhD, ScD

Inquiries: Direct general correspondence to the registrar, Gudrun E. Curri, MA

Full-time faculty (1989-90): 919

History and Governance

Dalhousie University was founded in 1818 by the ninth Earl of Dalhousie who was then lieutenant-governor of Nova Scotia. With the exception of a few years between 1838 and 1845, Dalhousie did not function as a university until 1863. The first bachelor of arts degree was awarded in 1866

Dalhousie is a non-denominational, co-educational university. It is governed by a 54-member board of governors and a 400-member senate.

International Mandate

The Lester Pearson Institute for International Development is the focal point for the university's involvement in international co-operation activities, developing policies and representing the university's interests in this area. It provides resources and expertise to assist the development, negotiation and administration of projects, maintains contact with international agencies, and co-ordinates development and public education activities. The institute publishes a bi-weekly newsletter, maintains a journal publication and produces an occasional papers series. Contact: A. D. Tillett, director, Lester Pearson Institute for International Development. Telephone: (902) 494-2038.

Buildings and Grounds

The university comprises over 90 buildings on 67 acres in south-west Halifax, a city with a metropolitan population of 300,000 and the provincial capital of Nova Scotia. There are 2 campuses, Studley and Carleton, separated by 4 city blocks on which are located both private residences and university buildings. The university is within easy walking distance of the downtown core.

Major buildings include the Life Sciences Centre, Sir James Dunn Science Building, Chase Building, arts and administration building, chemistry building, University Club, education building, Killam Memorial Library, student union building, Dalhousie Arts Centre (for the performing and visual arts), faculty of management building, Weldon Law Building and Sir James Dunn Law Library, central services building, Sir Charles Tupper Building (faculty of medicine), dental building, Burbidge Building (college of pharmacy), Forrest Building (faculty of health professions), Dalplex (physical education/recreational centre), Studley Gymnasium, Memorial Arena (skating rink), and student residences, Howe Hall (men), Shirreff Hall and Eliza Ritchie Hall (women), and Fenwick Place (a high-rise student apartment building).

The student union building has lounges, cafeteria, meeting rooms, games room, the CKDU radio station, bookstore and convenience store. There are a large number of computer laboratories across campus linked to the main computer centre. The Dalhousie Arts Centre has a 1,000 seat auditorium, music studios, a drama theatre with supporting workshops, and an art gallery.

The campus is served by public transit and is in easy walking distance from the city centre. Visitor parking is available but limited. Facilities for the handicapped, though not yet universally available, are provided in most of the larger buildings and there is an on-going program to extend these facilities to all parts of the campus.

Libraries

The university library system accommodates the needs of the undergraduate and graduate teaching programs as well as the specialized professional schools. It consists of the Killam Library (humanities, social sciences and sciences) with holdings of 1,031,000 volumes of print materials, 365,500 non-book material including microforms, audio-visual materials, maps, prints, etc., and 5,830 serials titles received; the Kellogg Health Sciences Library with holdings of 150,000 volumes of print materials, 37,500 micromaterials and 2,465 serials titles received; the Dunn Law Library with holdings of 132,000 volumes of print materials and 10,500 micromaterials and 3,500 serials titles received; and the school of social work library with 20,000 volumes of print materials.

Special collections: Rudyard Kipling (James MacGregor Stewart Collection)
Canadiana (J.J. Stewart Collection)
Early Imprints and Fine Bindings (Douglas Cockerell Collection)
Francis Bacon
Thomas Raddall manuscripts & papers
Oscar Wilde Collection
Russian Research Collection
Sprott Australian Literature Collection

Library system: Participating member in Novanet consortia, an integrated, automated library system shared by 5 metro university libraries.

Programs and Degrees

General bachelor's degrees require 3 years (15 credits) from senior matriculation, honors 4 years (20 credits), unless otherwise specified. Master's degrees require at

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least 2 years of study after a bachelor's degree unless otherwise specified.

One full credit normally represents 1 full course requiring either 3 lecture hours per week for 2 terms, or 6 lecture hours per week for 1 term. One half credit is usually equivalent to 3 lecture hours per week for 1 term.

The credit system is not used for programs in the faculties of medicine, dentistry and law.

Doctorate degrees in medicine and dentistry require at least 4 years of study. Postgraduate certification in these fields requires from 2 to 5 years additional study. Other doctorate degrees require a minimum of 3 years from an honors bachelor's degree or 2 years from a master's degree unless otherwise specified.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts

Bachelor of arts (BA) major, honors and advanced major.
Master of arts (MA) At least 1 year from honors BA or equivalent, or 2 years from general BA with high standing in at least 4 classes in field of specialization. Those with honors bachelor's degrees may complete requirement in 1 calendar year full-time study.
Doctor of philosophy (PhD) At least 2 years from MA.

Commerce

Bachelor of commerce (BCom) 4 years from senior matriculation for both major and honors program.
Master of business administration (MBA) 2 years following bachelor's degree.
Combined master of business administration and bachelor of laws (MBA/LLB) 4 years following bachelor's degree.

Costume studies

Certificate in costume studies (CertCostStudies) 2-year program of studies.
Diploma in costume studies (DipCostStudies) 1-year program of studies following the CertCostStudies.

Dentistry

Diploma in dental hygiene (DipDHyg) 2-year diploma course beyond senior matriculation. The entering class in 1989 will require 1 year of arts and science for admission.
Doctor of dental surgery (DDS) 4 years following 3 years of arts or science beyond junior matriculation or 2 years of arts or science beyond senior matriculation.
Master of science in oral surgery [MSc(OralSurg)] 4 years with thesis beyond DDS.
Post-graduate certificate in periodontics (CertPeriodon) 2 years beyond DDS and DMD.

Economics

Master of development economics. Two years from a BA.

Education

Bachelor of education integrated (BEd) 4 years beyond senior matriculation for BA or BSc and BEd or 5 years for honors BA or BSc and BEd.
Bachelor of education (BEd) 1 academic year. Sequential course for students with BA, BSc or BCom.
Certificate in educational administration (CEA) 1 year after BEd or graduation from teacher's college.
Master of arts in education (MA) Master of education (MEd) 1 year from BEd with at least second-class standing or after MA or MSc.
Doctor of philosophy (PhD) At least 2 years from MA or MEd.
Master of arts in teaching (French) 2 years from an honors BA and BEd.

Engineering

Preparation for entry to the Nova Scotia Technical College without a degree.
Two years beyond senior matriculation.
Diploma in engineering (DipEng) 2 years beyond senior matriculation.
Bachelor of science and diploma in engineering (BSc with a science major and DipEng) 3 years beyond senior matriculation.

Environmental studies

Master of environmental studies (MES) 2 years of study and thesis following bachelor's degree.
Diploma in marine affairs (DMA) 1 year from bachelor's degree.

Health services administration

Master of health services administration (MHSA) 2 years after bachelor's degree.

Human communication disorders

Master of science in speech pathology or audiology (MSc) 3 years following a bachelor's degree.

Law

Bachelor of laws (LLB) 3 years from BA, BSc, or BCom, or from 3 years university study beyond junior matriculation or 2 years university study beyond senior matriculation.
Master of laws (LLM) At least 1 year from LLB. Thesis required. May be taken on part-time basis.
Combined master of business administration and bachelor of laws (MBA/LLB) 4 years beyond bachelor's degree.
Doctor of the science of law (JSD) 1 year beyond LLM.

Library service

Master of library and information studies (MLS) 4-term course following bachelor's degree with at least second-class standing. May be taken on 2-year schedule, 1-year (12 months) schedule or part-time schedule (to be completed in 6 years).

Medicine

Bachelor of science (medical) (BScM) Same as MD.
Doctor of medicine (MD) 4 years following 3 years in arts or science beyond junior matriculation or 2 years beyond senior matriculation. One-year internship required following MD to meet licensing requirements. Residency training programs in clinical specialties

approved by appropriate national accrediting agency available in a number of areas. Most require 4 years beyond internship; family practice requires 2 years. Combined doctor of medicine and doctor of philosophy (MD/PhD) at least 7 years beyond honors bachelor's degree. Fields of study for PhD include: Anatomy, biochemistry, microbiology, pharmacology, physiology and biophysics.

Music

Bachelor of music education (BMusEd) 4 years after senior matriculation.
Bachelor of music (BMus) 4 years after senior matriculation.
Bachelor of arts with specialization in music. Three years after senior matriculation.

Nursing

Bachelor of science (nursing) (BScN) 4 calendar years from senior matriculation or 3 years following RN from recognized school of nursing.
Diploma in outpost and public health nursing (DOP&PHN) 1 academic year at Dalhousie and 28-week supervised internship in northern Canada.
Master of nursing (MN) 2 years following bachelor's degree and RN qualification. Certificate in community health (CCH) 2 years.

Occupational therapy

Bachelor of science (occupational therapy) [BSc(OT)] 3 years following first year arts and science.

Pharmacy

Bachelor of science in pharmacy BSc(Pharm) 4 years from senior matriculation.
Residency in hospital pharmacy, 1 year after BSc(Pharm).
Master of science (MSc) Normally 2 years after BSc(Pharm) 12 months resident study and research minimum requirement.
Doctor of philosophy (PhD) At least 2 years from MSc.

Physical education

Bachelor of physical education (BPE) 4 years from senior matriculation.
Bachelor of science in health education (BScHlthEd) 4 years from senior matriculation.
Bachelor of recreation (BRec) 4 years from senior matriculation.
Bachelor of science (kinesiology) 4 years from senior matriculation.
Master of science (physical education) [MSc(PhysEd)] 1 academic year plus thesis.
Master of arts (health education) 1 academic year plus thesis.
Master of arts (leisure studies) 1 academic year plus thesis.

Physiotherapy

Bachelor of science (physiotherapy) [BSc(Physio)] 3 years following first year arts and science, 2 years minimum post-diploma.

Public administration

Certificate in public administration (CertPA) 1 academic year. May be taken on part-time basis.
Diploma in public administration (DPA) 1 year following bachelor's degree. May be taken in part-time study.
Master of public administration (MPA) 2-year program after bachelor's degree. Final year may be taken in part-time study.

Science

Bachelor of science (BSc) major, honors and advanced major.
Master of science (MSc) At least 2 years from major BSc.
Students with BSc honors or equivalent may complete requirements in 1 year if full time is devoted to course.
Doctor of philosophy (PhD) At least 3 years from honors degree or 2 years from master's degree.
Diploma in meteorology (DipMet) 1 year after undergraduate science degree.
Diploma in aquaculture. One year from BSc.

Social work

Bachelor of social work (BSW) 3 years following first year arts and science.
Master of social work (MSW) 1 year beyond BSW.

Special programs

Transition-year program designed to assist educationally disadvantaged black and Indian students in Nova Scotia in preparation for entry to general undergraduate degree courses.

Co-ordinated and individual programs may be arranged within the BA and BSc degree requirements.

Interdisciplinary undergraduate-level programs may be arranged in African studies, Canadian studies, medieval studies, Russian studies, women's studies and comparative literature.

Foundation-year program of University of King's College offers integrated, interdisciplinary first year in humanities and social sciences and is available to Dalhousie students who must also enrol at King's College.

Co-operative integrated work/study programs are available in mathematics, physics and computing science.

Continuing education

Classes are offered leading to degrees in arts, science, education, commerce and physical education. Mature students are accepted.

Regular courses, scheduled in late afternoon and evening, are open to both full and part-time students.

Evening courses are offered in selected field in late afternoon and evening classes with or without examinations.

Special lecture series, conferences, seminars and workshops are offered by various faculties, departments and schools and by institute of public affairs.

Series of lectures and workshops are offered through the computer centre on computer programming.

Summer session: Courses are offered in 2 sessions. May to June and July to August. Students may take up to 5 credits in summer sessions, 1 per session.

Correspondence courses are offered in public administration for assessors through institute of public affairs.

In-service programs provide professional courses through faculty of medicine and other professional faculties in co-operation with respective professional societies.

Admission Requirements

Undergraduate

Nova Scotia: The normal minimum requirement for admission to arts and social sciences, health professions, or management is completion of Nova Scotia Grade 12 in an appropriate university preparatory program or its equivalent with average of at least 70%. Students who do not meet normal admission requirements will, in certain instances, be considered for admission. Because admission requirements may vary within faculties and over time, applicants should contact the particular academic unit of interest to make sure they meet that unit's standards.

Other provinces: New Brunswick, Prince Edward Island, Manitoba, Saskatchewan, Alberta, British Columbia, Newfoundland and Labrador: Grade 12; Ontario: Grade 13; Quebec: Senior high school leaving certificate or diploma of collegial studies.

Transfer students

Transfer admission is possible, but the regulations governing this vary so from program to program that the university calendar/the admissions office ought to be consulted for specifics. As a general rule, at least half the credits for a Dalhousie degree must be taken at Dalhousie.

Mature students

Students who do not meet normal admission requirements and who have been away from full-time high school study for at least 4 years and are at least 23 years old may apply as mature students. They must show by letter that they would benefit from university studies. Interviews are sometimes required.

Senior citizens

Senior citizens, 65 and over, are exempt from tuition fees and may apply as mature students.

Graduate

Candidates may be admitted to 1-year master's programs if they hold honors bachelor's degree or equivalent of a Dalhousie honors degree in the field of study in which graduate work will be done. Students who have completed at least 4 undergraduate classes or equivalent in the field in which graduate work is to be done with at least second-class average may be admitted to a 2-year master's program. Students who do not meet this latter requirement may be admitted to a qualifying year of study. At the end of this year, students are eligible to apply to master's or doctoral programs. Candidates seeking admission to doctoral programs must hold an honors bachelor's degree equivalent to that of Dalhousie, or master's degree or equivalent. Candidates with an honors undergraduate degree in the proposed field of study may be admitted to a 3-year PhD program. Those with master's degree or equivalent in the proposed field of study may be admitted to a 2-year PhD program. Where the degree held is in a field other than the proposed field of PhD study, the candidate may be accepted into a 2-year program at the discretion of the department.

International students

Those whose native language is not English must demonstrate spoken and written English proficiency. This may be provided for admission by tests such as TOEFL (minimum score 550). The International Baccalaureate is recognized, but no credit towards a Dalhousie degree is awarded for it.

Great Britain, West Indies, West Africa: Applicants must present GCE with passes in at least 5 subjects of which 2 must be at A-level and 1 must be English.

Hong Kong: GCE as for Great Britain or University of Hong Kong matriculation certificate under same conditions as for GCE.

India, Bangladesh, Pakistan: A bachelor's degree with first or second-class standing from recognized university or, in certain circumstances, first-class standing in intermediate examinations in arts and science with passes at university level in English, mathematics and a language other than English. Neither standing, however, is sufficient for admission to the sequential BEd program.

USA: Minimum 75% average from Grade 12. SAT score of at least 1100.

Other countries: Write to the admissions office for further information.

Application Deadlines

Students seeking admission to the faculties of arts, science and administrative studies are subject to the following application deadlines: North American students, July 1; non-American international students, May 1; all undergraduate students transferring to Dalhousie, July 1. Application dates vary for other faculties and students should write to the university for details.

Academic Year

Fall/Winter session: Early September to early May. Summer sessions: Six weeks in May and June and 6 weeks in July and August.

Grading System

Arts and science and administrative studies: Letter grade, no numeric equivalent, pass mark, D. Dentistry: Distinction, 80-100%; pass, 50-79%; pass mark, 50%; average of 55% required in first year, 60% in subsequent years. Graduate studies: Pass mark, B-; thesis grading,

approved, or not approved. Health professions: Letter grade and grade point average - 2.0 minimum. Law: Pass mark, 50%; overall average of 55% required. Medicine: Minimum of 80% for distinction; pass, 55-79%; pass mark, 55%.

Student Life and Services

The Dalhousie student union is the official organization of students at Dalhousie. The fundamental objective of the union is to promote the welfare of all students in both the academic and non-academic environment. Student government started at Dalhousie in 1863, and in 1912 all aspects of extra-curricular activity were formally handed to the student union. The student union was incorporated in 1966.

There are 2 sectors within the union which students are able to use for their own benefit: a) student government and, b) services. Student government is represented by the student council and the major societies. The student council is assisted by a full-time staff of 12 and a part-time staff of over 100. The chief officers of the student union are the president, executive vice-president and treasurer, all of whom are full-time students at the period of their election.

All student societies on campus must be recognized by the union and receive numerous services from the union. There are approximately 100 clubs and societies on campus including social and sports clubs, political organizations, religious groups, cultural and ethnic groups, and societies representing students in a particular area of study.

The student union also operates the student union building. The SUB houses a variety of student services including inquiry desk, cafeteria, bar, games room, printing service, meeting rooms, employment office, housing office, counselling centre, ombud and advocacy services, a chaplain's office, travel office, and a university bookstore.

The association of graduate students (DAGS) is one of the largest societies within the student union. Operating its own clubhouse for graduate students, DAGS provides many specialized services for the larger graduate student population.

A wide range of intercollegiate and intramural sports are supported by modern facilities. The facilities of Dalplex include: Indoor and outdoor running tracks, a 50 meter pool, saunas and sun rooms. The 50,000 square foot fieldhouse is equipped for basketball, volleyball, badminton, golf, tennis, gymnastics and combative sports. Three weight rooms are available as well as 4 racquetball/handball courts. The Dalplex facility has been designed to accommodate disabled people. There are 2 outdoor tennis courts, a soccer field, an outdoor all-weather track and a skating rink.

The Dalhousie Arts Centre includes the 1041-seat Rebecca Cohen Auditorium, the 260 seat Sir James Dunn Theatre, 2 smaller performance studios, and the Dalhousie Art Gallery.

The vice-president is the chief student services officer and co-ordinates the activities of athletics and recreational services, student counselling and psychological services, chaplaincy, health services, housing and conferences, office of the registrar, writing resource centre, international student centre, the ombud office and black student advisor. Students who experience difficulties with their academic programs or who are uncertain about educational goals, major selection, workload management, financial, social or personal matters affecting their academic performance, inadequate study skills, or conflicts with faculty and regulations can seek the assistance of the academic advisors in the vice-president's office.

Traditional on-campus residences include Howe Hall (520 students including 100 co-ed places), Shirreff Hall (445 female students) and Eliza Ritchie Hall (84 co-ed students). Off-campus accommodation is provided in Fenwick Place (co-ed residence with 500 students), Glengarry Apartments (52 female students), and a number of houses and apartment units, including housing for international students.

The international student association provides a meeting ground for overseas students at the university and promotes fellowship among Canadian and overseas students. Other campus organizations for overseas students include the African students association, the Dal-TUNS Chinese students association, the Malaysian-Indonesian-Singaporean students association and many more.

Dalhousie has its own day care on campus, the university Children's Centre, which provides care for children from 4 months to 10 years.

Dalhousie's international student advisor assists students from other countries with relation to the availability of health care on campus, immigration regulations, employment, language difficulties, personal concerns, as well as assistance with academic programs. The advisor organizes students on campus to ensure that incoming students are welcomed on arrival, provided assistance in searching for accommodation and become acquainted with the campus and Halifax. The International Students Centre is a resource and activity centre for Dalhousie students from all over the world.

The counselling and psychological services centre provides assistance to students including study skill programs, career decision-making programs, the Strong Campbell Interest Inventory, job search workshops and a career information centre. Special programs, such as stress management, exam anxiety and speaking anxiety, shyness clinic and individual counselling are offered.

Religious organizations on campus include the Dalhousie Christian Fellowship, the Newman Club and others.

Student services is the contact point for the Dalhousie CUSO co-ordinator and Dalhousie WUSC local committee.

The university health services provides medical care for all Dalhousie students and their families. Further specialist referrals in a fully accredited medical centre are also available.

The office of the vice-president student services acts as a point of contact and an advocate for disabled

students. The person responsible for the co-ordination of services for the disabled can be contacted at 494-2404.

The university operates an ombud service.

The Canada Employment Centre on campus is located in the student union building. This office provides personal employment counselling to students and current information on careers. Over 100 employers visit the campus annually, usually between mid-October and mid-December, and conduct personal interviews with the students. Information and interviews for summer employment are available in January, February and March of each year. Notices of job opportunities are posted on employment bulletin boards throughout the university.

Research Institutes

Aquatron. Director: R.K. O'Odor, PhD

Applied Microelectronics Institute. President: D. Pincock, BSc, MSc, PhD

Atlantic Institute of Biotechnology. Executive director: W.E. MacLennan, B.ScA

Atlantic Institute of Criminology. Director: R.C. Kaill, BA, MDiv, MA, PhD

Atlantic Region Magnetic Resonance Centre. Director: J.C.T. Kwak, BSc, MSc, PhD

Atlantic Research Centre for Mental Retardation. Director: M.W. Spence, MD, PhD

Centre for African Studies.

Centre for Foreign Policy Studies. Director: D.W. Middlemiss, BA, MA, PhD

Centre for International Business Studies. Director: P.J. Rosson, DipMS, MA, PhD

Centre for Marine Geology. Director: P.T. Robinson, B.Sc, PhD

Lester B. Pearson Institute for International Development. Director: A.D. Tillet, BA, MA

Oceans Institute of Canada/Institut Canadien des Océans. Executive director: Edgar Gold, BA, LLB, PhD, ACIArb, MCIT, FNI, MRIN

Trace Analysis Research Centre. Director: L. Ramaley, BA, MA, PhD

Research Chairs

Department of chemistry
Harry Shirreff Professor of Chemical Research. O. Knop, DSc

Department of economics
Fred C. Manning Professor of Physics. J.F. Graham, BA, MA, PhD, FRCS
McCulloch Professor of Economics. J.L. Cornwall, BA, MSc, PhD

Department of English
George Munro Professor of English Literature. J. Fraser, MA, PhD
McCulloch Professor in English. R.J. Smith, BA, MA, PhD

Department of German
McCulloch Professor in German. F.W. Gaede, PhD

Department of history
McCulloch Professor in History. J.E. Flint, MA, PhD, FR HistS, FRSC

Department of oceanography/physics
NSERC-AES Industrial Research in Climate Research and Marine Meteorology. P. Chyleck, PhD
O. Hertzman, BSc, PhD
G.B. Lesins, BSc, MSc, PhD

Department of physics
A.C. Fales Professor of Theoretical Physics. D.J.W. Geldart, BSc, PhD, FRCS George Munro Professor of Physics. M.H. Jericho, MSc, PhD

Department of political science
Eric Dennis Memorial Professor of Government and Political Science. J.G. Eayrs, BA, AM, PhD, FRSC
McCulloch Professor of Philosophy and Politics. D. Braybrooke, BA, MA, PhD, FRSC

School of business administration
Bank of Montreal Chair. G.S. Roberts, AB, MA, PhD
Roy A. Jodrey Chair. M.A.H. Dempster, BA, MS, PhD, MA

School of public administration
Lester Pearson Professor. A.A. Kwapong, BA, MA, PhD

Associated Universities

University of King's College, Halifax, Nova Scotia. See separate entry.

Mount Saint Vincent University, Halifax, Nova Scotia. See separate entry.

Nova Scotia Agricultural College, Truro, Nova Scotia. See separate entry.

Technical University of Nova Scotia, Halifax, Nova Scotia. See separate entry.

Collège dominicain de philosophie et de théologie*

Renseignements généraux

Adresse : 96, avenue Empress, Ottawa (Ontario) K1R 7G3
Téléphone : (613) 233-5696
Télécopieur : (613) 233-6064

Régent des études : Michel Gourgues, BA, MA(Th), DiplEcBibl, DTh

Demandes de renseignements : Prière d'adresser la correspondance d'ordre général au registraire

Professeurs à temps plein (1989-1990): 21

Historique et statuts

Le Collège dominicain de philosophie et de théologie existe depuis 1900 à Ottawa. Le 12 juin 1909 l'Ordre des Frères Prêcheurs le reconnaissait comme studium général de la province Saint-Dominique du Canada. Durant la même année, le 31 mars 1909, le collège était incorporé civilement dans la province de l'Ontario et, par les lettres patentes supplémentaires en date du 6 octobre 1967, il devenait le Collège dominicain de philosophie et de théologie. Le 26 juin 1965 la Congrégation romaine des universités érigeait le département de théologie en faculté universitaire pontificale. Le 22 mars 1967 le Collège dominicain se voyait octroyer une charte civile universitaire.

Le conseil d'administration du collège, composé de 10 membres, établit les règlements concernant l'administration de chaque département, contrôle l'administration financière du collège et approuve les projets d'intérêt majeur pour le développement du collège. Le sénat assure la promotion de l'enseignement et de la recherche.

Terrains et bâtiments

Le collège est situé dans la ville d'Ottawa et met une bibliothèque spécialisée à la disposition de ses étudiants. Le département de théologie pastorale est situé à proximité du campus de l'Université de Montréal.

Bibliothèque

La bibliothèque spécialisée met 90 000 volumes et 500 périodiques à la disposition des professeurs et des étudiants.

Programmes et grades

Au 1er cycle, le programme offre des cours (6 crédits) et demi-cours (3 crédits). Une année régulière comporte un maximum de 5 cours.

Trois crédits représentent d'ordinaire 3 heures de cours par semaine pendant 1 trimestre. Six crédits équivalent habituellement à 3 heures de cours par semaine pendant 2 trimestres ou à 6 heures de cours par semaine pendant 1 trimestre. Parfois on accorde des crédits supplémentaires pour les travaux en laboratoire ou pour un cours particulièrement exigeant.

Au 2e cycle, les cours sont de 4 crédits et les demi-cours, de 2 crédits.

On trouvera des détails sur les programmes au chapitre **Programmes préparant à un grade, un diplôme ou un certificat.**

Philosophie

Grades civils

Certificat d'études en philosophie (CEP) programme de 30 crédits approuvés par le directeur du département après la première année de la faculté des arts ou le diplôme d'études collégiales (DEC) ou des études équivalentes.

Baccalauréat avec spécialisation en philosophie [BA(Ph)] 2 ans après la première année de la faculté des arts ou l'équivalent.

Baccalauréat en philosophie (BPh) 3 ans après le DEC avec concentration en philosophie ou le programme de philosophie équivalent dans une faculté des arts.

Baccalauréat ès arts avec spécialisation conjointe en philosophie et en théologie (BASpPh) 3 ans après la première année des arts ou le (DEC).

Maîtrise ès arts en philosophie [MA(Ph)] 1 an après le BPh. Mémoire.

Chaque département offre un certificat d'études décerné après l'obtention de 30 crédits du programme organisé.

Théologie

Grades civils

Certificat d'études en théologie (CET) 1 an après le DEC ou l'équivalent.

Baccalauréat en théologie (BTh) 3 ans après le DEC ou l'équivalent.

Maîtrise en théologie (MTh) 2 semestres après le BTh. Mémoire.

Maîtrise ès arts en théologie [MA(Th)] 4 semestres après le BTh. Mémoire.

Doctorat de philosophie en théologie [PhD(Th)] 2 ans après la MTh. Thèse.

Grades canoniques

BTh, LTh, Doctorat en théologie.

Pastorale (Institut de Pastorale, 2715, chemin de la Côte-Sainte-Catherine, Montréal (Québec) H3T 1B6)

Grades civils

Certificat d'études pastorales (CEP) 1 an après le DEC ou l'équivalent.

Baccalauréat en études pastorales (BEP) 1 an après le DEC et 2 certificats d'études pastorales ou l'équivalent.

Baccalauréat en théologie pastorale (BThpast) 1 an après le DEC et 60 crédits d'études théologiques ou l'équivalent.

Maîtrise professionnelle en pastorale (MProfpast) 1 an après le BTh ou le BThpast.

Maîtrise en théologie pastorale (MThpast) 1 an après le BTh ou le BThpast. Mémoire.

* Membre ordinaire de l'AUCC

Education permanente

Le collège offre des cours du soir et le samedi. Pour obtenir des renseignements sur les cours offerts, prière de communiquer avec le registraire du collège.

Conditions d'admission

Étudiants canadiens et étudiants étrangers

Département de philosophie : Le candidat doit avoir terminé 1 année dans une faculté des arts ou des études équivalentes.

Faculté de théologie : Le candidat doit détenir un baccalauréat ès arts (BA) ou avoir fait des études collégiales qui le rendent admissible aux facultés de théologie des universités canadiennes.

Maîtrise en théologie (MTh) et maîtrise ès arts en théologie [(MA(Th)] : Le candidat doit détenir un baccalauréat en théologie (BTh) ou avoir fait des études jugées équivalentes; il doit avoir une bonne connaissance de 2 des langues suivantes : latin, grec ou hébreu, et aussi de 2 des langues suivantes : français, anglais ou allemand.

Les étudiants étrangers doivent produire des diplômes équivalents à ceux requis au Canada pour l'inscription au degré qu'ils postulent.

Doctorat en théologie : Le candidat doit détenir une maîtrise en théologie (MTh) ou une maîtrise ès arts en théologie [MA(Th)], ou avoir fait des études jugées équivalentes.

Demandes et délais

Les candidats doivent soumettre leur demande d'admission avant le 1er août pour le trimestre d'automne, avant le 1er décembre pour le trimestre d'hiver et avant le 10 juin pour la session d'été.

Année universitaire

Deux sessions régulières: du début de septembre au milieu de décembre, du début de janvier au début du mois de mai. Le collège offre également une session d'été.

Système de mentions

85 %, excellent; 80 %, très bien; 70 % à 79 %, bien; 60 % à 69 %, satisfaisant; 50 % à 59 %, passable; moins de 50 %, échec.

Vie étudiante et services aux étudiants

Les étudiants sont groupés en une association (AECDO) dont le comité directeur a pour fonction d'entretenir des rapports avec la direction et le conseil des professeurs, d'informer les étudiants, d'organiser des activités para scolaires et de participer à tout ce qui peut promouvoir le bien commun du collège.

Les étudiants peuvent participer à la prière communautaire et prendre le repas du midi et du soir au couvent des Dominicains.

Le couvent des PP. dominicains peut accueillir un certain nombre d'étudiants. De plus, le collège donne à ceux et celles qui le demandent les indications pour trouver un logement dans le voisinage du collège.

University of Guelph*

General Information

Address: Guelph, Ontario N1G 2W1
Telephone: (519) 824-4120
Telex: 06956540

President and Vice-chancellor: Brian Segal, BSc, MSW, MSc, PhD

Inquiries: Direct general correspondence to the registrar, Arnold G. Holmes, BSA

Assistant registrar, liaison: Charles Cunningham, BES

Full-time faculty (1989-90): 740

History and Governance

The University of Guelph was established by an act of the Ontario legislature in May 1964. At that time, the Ontario Agricultural College, founded in 1874, the Ontario Veterinary College, established in 1862, and the Macdonald Institute of Home Economics, founded in 1903, became part of the university. Prior to 1964, the 3 institutions operated as federated colleges of the Ontario Department of Agriculture and were affiliated to the University of Toronto. Wellington College and the faculty of graduate studies were created in 1964.

In 1970 the senate restructured the colleges and schools to deal with the rapid growth and development of the university. The university now consists of 7 colleges (Ontario Agricultural College, Ontario Veterinary College, College of Family and Consumer Studies, College of Arts, College of Biological Science, College of Physical Science and College of Social Science) and 5 schools (school of agricultural economics and extension education, school of human biology, school of engineering, school of landscape architecture, and a school of hotel and food administration).

The University of Guelph is non-denominational and co-educational. It is administered by a 24-member board of governors and a senate of approximately 150 members.

International Mandate

The Centre for International Programs provides assistance and advisory services to the university community. It helps to identify possible development projects and funding, conducts development education programs, and co-ordinates university services in institutional linkages and development projects. The centre provides advisory services for international education and training, for non-formal development education programs for all sectors on and off campus, and for international development research proposals. Contact: Dr. A.R. MacKinnon, director, Centre for International Programs. Telephone: (519) 824-4120 ext. 3256.

* Ordinary member, AUCC

Buildings and Grounds

The 344 hectares campus is situated within the Guelph city limits (population 80,000). In addition to some 25 teaching and research buildings, there is a main library, a university centre, a physical education building, a stadium, 7 licensed dining halls, 6 fast-food shops and a coffee shop. There are 9 student residence buildings and married student townhouses. An arboretum is located on the eastern section of the campus.

The University of Guelph is striving to make its campus totally accessible to physically handicapped students. At present, 1 co-ed residence building has been adapted. Special washrooms have been constructed and ramps have been added to a number of buildings.

The university operates agricultural research stations in the towns of Elora, Cambridge and Arkell. The stations are financially supported by the Ontario Ministry of Agriculture and Food.

Libraries

The university library collection of over 2.5 million books and publications are housed in the McLaughlin Library and in a branch library in the Ontario Veterinary College. The McLaughlin Library is prepared to meet many needs of the handicapped student, including the visually impaired.

Programs and Degrees

Bachelor's programs require 8 semesters from senior matriculation unless otherwise specified. Master's degrees require minimum 2 semesters from honors bachelor's degree or equivalent unless otherwise specified. Doctoral programs require minimum 5 or 7 semesters from recognized master's or honors bachelor's degree respectively.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Agricultural science

Bachelor of science in agriculture [BSc(Agr)]
Master of science (MSc)
Doctor of philosophy (PhD)

Arts

Bachelor of arts (BA) general program, with major or general studies, 6 semesters from senior matriculation.
Honors program, 8 semesters from senior matriculation.
Master of arts (MA)
Doctor of philosophy (PhD)

Business administration

Bachelor of commerce (BCom)

Engineering

Bachelor of science in engineering [BSc(Eng)]
Master of science (MSc)
Doctor of philosophy (PhD)

Family and consumer studies
Bachelor of applied science (BASc)
Master of science (MSc)
Doctor of philosophy (PhD)

Human kinetics
Bachelor of science in human kinetics [BSc(HK)]
Master of science (MSc) Minimum 3 semesters from honors bachelor's degree or equivalent.

Landscape architecture
Bachelor of landscape architecture (BLA)
Master of landscape architecture (MLA) Minimum 4 semesters from BLA, 6 semesters from bachelor's degree or equivalent.

Science
Bachelor of science (BSc) general program, 6 semesters from senior matriculation. Honors program, 8 semesters from senior matriculation.
Master of science (MSc)
Doctor of philosophy (PhD)

Veterinary medicine
Doctor of veterinary medicine (DVM) 8 semesters following minimum 4 semesters science at acceptable university level. Professional program. Intern/residency program (graduate diploma) 3 semesters (1 calendar year) from DVM or equivalent.
Master of science (MSc) Minimum 2 semesters from honors bachelor's degree or other first degree or equivalent.
Doctor of philosophy (PhD)
Doctor of veterinary medicine (DVSc)

General studies
Not proceeding towards a specific degree or diploma at the university although courses taken are regular degree or diploma credit courses. Candidates must be 21 years of age by the last day of registration of the semester to which admission is sought and have been out of secondary school for at least 2 years.

Special programs
Arts and science programs offered on continuous year-round system of 3 semesters. In addition, agricultural science and family and consumer studies use modified form of the trimester system. Students in arts, science and some other degree programs commence university in September, January, and May each year. Ontario year 5 (Grade 13) students may enter in May without completing year 5 (Grade 13).

Akademia is a first-year program in arts and sciences. Sixteen courses will be offered in the fall of 1990 and winter of 1991. These include 6 integrated arts and science courses plus 5 arts and 5 science courses.

Guelph offers 23 specializations in their co-operative education programs.

Continuing education
Courses in arts, social sciences and languages are available to the public. Since the courses are not credited towards a degree, there are normally no admission requirements, prerequisites or final examinations. Information on course offerings is issued monthly by the co-ordinators of continuing education and the colleges of arts and science.

Several highly specialized courses are available to graduates of the Ontario Agricultural College. The college also sponsors courses of interest to the general public both on and off-campus. A list of courses is published bimonthly by the co-ordinator of agricultural extension.

Professional development: The Ontario Veterinary College, in conjunction with the OVC alumni association, sponsors lectures, seminars and clinics for graduate veterinarians.

The College of Family and Consumer Studies offers professional development courses in a number of areas.

Correspondence courses: Approximately 80 correspondence courses are available in agriculture, horticulture and food science. Among these are a 3-year program leading to an Ontario diploma in horticulture and a 1-year course in home gardening. Further information may be obtained from the director of correspondence study in the office of continuing education.

Admission Requirements

Undergraduate
Ontario: Ontario secondary school diploma (OSSD), including 6 Ontario academic course credits or equivalent; minimum average of 60% in the 6 required Grade 13 or Ontario academic course credits.

Other provinces: Alberta, Manitoba, New Brunswick, Nova Scotia, Saskatchewan, British Columbia, Prince Edward Island, Newfoundland: Grade 12. Quebec: Senior high school leaving certificate or high school leaving certificate plus 12 academic credits from an appropriate CEGEP program.

Mature students
Applicants who do not possess the published minimum admission requirements may be considered for admission if, prior to their proposed date of enrolment they will have attained at least the full age of 21 years and will have been out of secondary school for at least 2 consecutive years.

Senior citizens
Tuition fees are waived for students aged 65 or more.

Graduate
First degree with second-class honors from recognized university and in a university program acceptable to faculty of graduate studies.

International students
Normally, the secondary school graduation certificate which admits to university in another country is acceptable, provided that it is the equivalent of admission requirements for the University of Guelph.

USA: Although a minimum of 30 semester hours of university work in an accredited institution of higher learning is normally required, applicants from high school who have graduated with high academic standing may be considered.

Countries under the British system: General certificate of education or equivalent with either passes in 5 subjects, at least 2 of which must be A-level or passes in 4 subjects, at least 3 of which must be at the A-level.

Hong Kong: Only the following certificates are recognized: The GCE or equivalent; The University of Hong Kong matriculation certificate on the same basis as the GCE; the Hong Kong English school certificate issued after 1964 is recognized as being equivalent to the GCE O-level only.

India: Only the following certificates are recognized: the GCE or equivalent as indicated above; or a first degree granted by an Indian university with standing in first or second division.

English proficiency: Applicants whose native tongue is not English are required to submit a minimum TOEFL score of 575 for undergraduate study and 550 for graduate study.

Other: Candidates submitting International Baccalaureate considered for admission.

Application Deadlines

Applications for fall entry to the bachelor of commerce, bachelor of landscape architecture and co-operative education programs must be submitted by April 1. Applications to veterinary medicine must be received by the Ontario Universities' Application Centre by February 1. For all other degree programs, applications for the fall semester must be received by August 1, for the winter semester by December 1 and for the spring semester by April 1. The university cannot guarantee that applications received after these dates will be considered.

Academic Year

Commences with the spring semester. Spring semester: Early May until early August. Fall semester: Early September until end of December. Winter semester: Early January until late April.

Grading System

First-degree honors programs: Distinction, cumulative average of 80-100% on all courses attempted; honors, cumulative average of 70-79%. Standing in individual courses graded as follows: A, 80-100%; B, 70-79; C, 60-69%; D, 50-59%. Graduate studies: A, 80-100%; B, 70-79%; C, 60-69%; minimum B average required.

Student Life and Services

Student government at the university consists of the 7 college councils which represent the particular interests of students registered in each of the university colleges and the central student association which represents the common interests of all full-time undergraduate students. The councils and the association are independent organizations financed by student monies and electorally responsible to the students they represent. They are financially accountable to the student body through the provision of an annual public financial report.

The graduate student association represents graduate students in all matters pertinent to their welfare; acts as liaison between graduate students and the faculty, administration and undergraduate students of the university; promotes social cultural activities and service programs for the membership; and provides a communicative link with the graduate students of other universities.

All students are represented on the senate and on the board of governors.

The department of athletics offers a number of men's and women's sports at the intercollegiate level as well as varying degrees of competition at the intramural level with men's, women's and co-ed leagues.

Also, instructional programs cover a wide range of sports ranging from dance to scuba. Facilities for recreational use are also available, including tennis, squash and badminton courts as well as a swimming pool and a hockey rink.

Each student entering the university for the first time is required to submit a medical form completed by the student. A medical clinic has been established in Macdonald Hall to provide a comprehensive preventive medicine and treatment program. Travel and rabies immunization are made available to both students and staff as well as routine maintenance immunization. Four physicians are available on a daily basis for medical care throughout the year. The clinic is open 24 hours per day with registered nurses available on the evening and night shifts who have access to a physician on-call system. A 4 bed infirmary is available for 24-hour monitoring as necessary. The facilities are available to students, staff, faculty and their families.

The medical clinic accepts all provincial health plans, private insurance coverage, government agency payment and direct billing where applicable.

The counselling and student resource centre offers the following services for students: personal and psychological counselling; advice and assistance to international students; study skills programs and instruction; educational, career and employment counselling; placement services; religious programs and advisement; information and programs in a variety of areas including women's concerns, leadership skills, health awareness and interpersonal skills. The centre has also prepared a brochure entitled "Services for students that are disabled" and is the main source of information for disabled students. Telephone, 824-4120 ext. 6470.

Programs and services are offered through 4 major service delivery areas including counselling services, career services, program development and the resource area. Students are encouraged to take advantage of all available programs and services as an integral part of their university experience.

The department of residences at the University of Guelph views residence as a place to study, develop

friendships and become involved in university activities. A variety of accommodation is available including single sex male and female residences, or co-educational residence halls including 1 made up of self-contained suites. Buildings range in size from those housing 50 people to a unique residence complex which houses 1,650 students in small living units. The University of Guelph also has several unique living/learning centres or residences with a theme: La maison française, Arts House and International House. All essential services are provided such as basic furnishing, a telephone in each room, linen, lounges, study rooms and laundry facilities. Accommodation is available for married students and their children in the 2-bedroom townhouses at Wellington Woods, a secluded area close to campus. Listings of various types of accommodation available in the Guelph area are maintained by the off-campus housing office.

The campus bookstore stocks texts, general interest books and a full complement of stationery and supplies.

Research Institutes

Centre for Genetic Improvement of Livestock. Director: E.B. Burnside, BSA, MSA, PhD

The Centre for International Programs. Director: Archie MacKinnon, BA(Hon), MEd, PhD

Computing Services. Director: Ron Elmslie, BA

Gerontology Research Centre. Director: A.E. Martin Matthews, BA, MA, PhD

Guelph Centre for Equine Research. Director: R.A. Willoughby, DVM, PhD

University School of Rural Planning and Development. Director: David Douglas, BA, MA

Four inter-university research programs:

Guelph-Waterloo Centre for Research in Biotechnology

Guelph-Waterloo Centre for Research in Physics

Guelph-Waterloo Centre for Research in Chemistry

Guelph-McMaster graduate program in philosophy

Research Chairs

NSERC/ALLELIX Chair in Plant Biotechnology. S.J. Rothstein, PhD

NSERC/SEMEX Chair in Molecular Biology of the Mammalian Embryo. A.G. Wideman, PhD

NSERC/SEMEX J.C. Rennie Chair in Animal Breeding Strategies. C. Smith, PhD

NSERC/SEMEX Smiley-Reeds-McDonald Chair in Animal Biotechnology. K.J. Betteridge, PhD

Ontario Egg Producers' Marketing Board Chair in Egg Products Research. L. Ferrier, PhD

OMAF/Land Stewardship Chair.

OMAF/ Milk Marketing Board Chair.

OMAF/ Ontario Dairy Council Chair.

École des Hautes Études Commerciales

Renseignements généraux

Adresse : 5255, avenue Decelles,
Montréal (Québec) H3T 1V6
Téléphone : (514) 340-6000
Télex : (21) 05-268531
Télécopieur : (514) 340-6411

Directeur : Jean Guertin, LScComm, DBA

Demandes de renseignements : Prière d'adresser la correspondance d'ordre général au secrétaire général, Jean-Denis Duquette, LScComm

Renseignements sur les admissions : Les demandes doivent être adressées à la registraire, Nicole Rivet

Agent de liaison, établissements de niveau collégial et écoles secondaires : Maurice Perreault, délégué au recrutement des étudiants

Professeurs à temps plein (1989-1990) : 156

Historique et statuts

Fondée en 1907 l'École des Hautes Études Commerciales ouvre ses portes en 1910. Elle est la première école d'administration de niveau universitaire au Canada et la troisième en Amérique du Nord après Wharton à Philadelphie et Harvard à Boston. Les cours ont débuté le 4 octobre 1910 et la première promotion a eu lieu en 1913.

Les diplômes sont octroyés par les Hautes Etudes Commerciales et l'Université de Montréal. L'École des Hautes Études Commerciales est affiliée à l'Université de Montréal depuis 1915.

L'École des Hautes Études Commerciales est un établissement d'enseignement mixte et non confessionnel. Elle est régie par un conseil de 12 membres.

Mandat international

Le Centre d'études en administration gère la grande majorité des projets de développement international de l'École des Hautes Études Commerciales, qui se situent au niveau de la formation en gestion. Le centre accueille de nombreux étudiants étrangers, et participe à des projets de développement institutionnel et de réfléxion sur la formation en gestion. Il a conclu de nombreuses ententes avec des institutions américaines et européennes permettant l'échange de professeurs et d'étudiants, et la réalisation d'activités conjointes. S'adresser à : Sylvia Toledano, directrice adjointe, Centre d'études en administration internationale (CETAI). Téléphone : (514) 340-6182.

Terrains et bâtiments

L'École des Hautes Études Commerciales est partie intégrante du campus de l'Université de Montréal qui s'étend sur le versant nord-ouest du Mont-Royal et qui couvre une superficie d'environ 661 000 m2. Elle est bien desservie par le transport en commun et est facilement accessible par le métro.

Sur le campus même, différents services s'ajoutent à la gamme de services déjà offerts par l'École des H.E.C. Ce sont les résidences, le centre sportif et les différents services de santé de l'Université de Montréal.

Bibliothèque

La renommée de la Bibliothèque Patrick Allen s'appuie sur des atouts majeurs : 300 000 volumes et documents; plus de 8 700 périodiques; 500 postes de travail; des aires de lecture; des heures d'ouvertures réparties, pendant l'année scolaire, sur les 7 jours de la semaine. La bibliothèque, inaugurée en 1910, compte aujourd'hui parmi les meilleures bibliothèques bilingues d'affaires en Amérique.

Programmes et grades

1er cycle
Baccalauréat en administration des affaires (BAA) au moins 3 ans (90 crédits) en classes du jour ou en classes du soir.
Le programme de certificat est un programme d'études de 1er cycle universitaire de 30 crédits, offert en classes du soir, à temps partiel. L'étudiant doit prévoir environ 3 années d'études (maximum 4), à raison de 3 trimestres par année, pour terminer le programme.

2e cycle
Diplôme d'études supérieures spécialisées en gestion d'entreprises pétrolières.
Diplôme d'études spécialisées en gestion d'organismes culturels.
Diplôme d'études spécialisées en gestion de projets d'ingénierie et d'aménagement (conjointement avec la faculté de l'aménagement de l'Université de Montréal, École Polytechnique, École des Hautes Études Commerciales).
Diplôme en sciences administratives (DSA)
Maîtrise en administration des affaires (MBA)
Maîtrise en sciences de la gestion (MSG)

3e cycle
Doctorat en administration (PhD) Résidence minimale de 2 ans. Thèse.

* Membre ordinaire de l'AUCC. Affiliée avec l'Université de Montréal.

Conditions d'admission

1er cycle

BAA (jour): DEC comprenant les cours de maths 103, 105 et 203.

BAA (soir): DEC ou diplôme d'études secondaires et une expérience de travail de 4 ans.

Certificat : DEC ou expérience de travail de 3 ans et un diplôme d'études jugé valable.

2e et 3e cycles

DSA et MBA : Diplôme de 1er cycle avec une moyenne de 70 % et expérience pertinente de 2 ans. Tests d'admission obligatoires.

Diplômes d'études spécialisées : (gestion d'organismes culturels, gestion d'entreprises pétrolières, gestion de projets d'ingénierie et d'aménagement) Conditions différentes selon la spécificité du programme.

MSc : Baccalauréat en administration des affaires avec une moyenne de 70 % ou l'équivalent.

PhD : Maîtrise en administration ou une discipline connexe avec des résultats jugés excellents. Expérience pertinente, bilinguisme.

Note: L'enseignement se donne en français et les candidats doivent posséder une connaissance suffisante de cette langue pour être admis à l'École des Hautes Études Commerciales.

Étudiants étrangers

Les dossiers de ces candidats seront évalués en fonction des conditions exigées des étudiants du Québec.

Le candidat doit être titulaire d'un diplôme d'études collégiales comportant le cours de mathématiques 103, 105 et 203. Le baccalauréat d'enseignement secondaire deuxième partie (type français), séries économiques, mathématiques ou sciences est considéré comme équivalent de notre diplôme d'études collégiales.

Le candidat doit fournir la traduction certifiée, par l'ambassade ou le consulat du pays d'origine, de toute pièce qui n'est pas rédigée en français ou en anglais.

L'École des Hautes Études Commerciales reconnaît le baccalauréat français.

Demandes et délais

Les candidats aux différents programmes doivent soumettre leur demande en respectant les dates ci-après :

BAA (jour) : pour le trimestre d'automne : 1er mars; pour le trimestre d'hiver : 1er novembre

BAA (soir) : Pour le trimestre d'automne : 1er mai; pour le trimestre d'hiver : 1er octobre

Certificat : Pour le trimestre d'automne : 1er mai; pour le trimestre d'hiver : 1er octobre; pour le trimestre d'été : 1er février.

DSA-MBA et diplômes : Pour le trimestre d'automne : 1er avril; Pour le trimestre d'hiver : 1er octobre.

MSc : Pour le trimestre d'automne: 15 mars; pour le trimestre d'hiver : 1er octobre.

Étudiants étrangers

Les droits de scolarité pour les étudiants étrangers sont de 2 900 $ par trimestre pour un étudiant à temps plein et de 195 $ pour un étudiant à temps partiel. Les frais divers sont de 126,50 $ maximum par trimestre. Le coût de l'assurance est de 335 $ maximum.

Tous les droits et frais sont sujets à changement sans préavis.

Année universitaire

Trimestre d'automne : de septembre à décembre. Trimestre d'hiver : de janvier à mai. Trimestre d'été : de mai à juillet.

Système de notation

Deux systèmes de notation sont en vigueur. 1er cycle : Système de notation à seuil unique: l'étudiant réussit à un cours lorsqu'il obtient 60 % des points attribués à l'ensemble des travaux et des examens imposés. Un résultat inférieur à 60 % entraîne un échec à ce cours.

2e cycle : Système de notation à double seuil : l'étudiant réussit à un cours lorsqu'il obtient au moins 60 % des points attribués à l'ensemble des travaux et des examens imposés; pour être promu l'étudiant doit obtenir une moyenne cumulative d'au moins 70 %.

Vie étudiante et services aux étudiants

A l'École des Hautes Études Commerciales, les étudiants ont l'occasion de faire partie de plusieurs associations et d'y déployer leur talent. Il y a l'Association des étudiants HEC (AEHEC), l'Association des étudiants du soir au BAA, (AESBAA), l'Association des étudiants aux certificats universitaires (AEC),.l'Association des étudiants de MBA-DSA (AEMBA-DSA), l'Association générale des étudiants de MSc (AGEMSc), la Société de relations d'affaires (SRA), l'Association internationale des étudiants en sciences économiques et commerciales (AIESEC-HEC), et la COOP HEC, sans oublier la radio et les journaux étudiants.

Le Service aux étudiants est synonyme de coordination de l'aide financière aux étudiants et est la source d'information privilégiée sur les services disponibles sur campus et hors campus : logement, orientation, service de santé, accueil des étudiants non canadiens et échanges d'étudiants. Partenaire actif des activités étudiantes, il voit aussi à distribuer de nombreuses bourses d'études offertes par divers donateurs. Le Service aux étudiants s'occupent des étudiants étrangers, Charlotte Cazabon, est la responsable des étudiants étrangers.

L'École des Hautes Études Commerciales abrite un Service de placement complet qui s'affaire à procurer un emploi aux étudiants pendant la durée de leurs études et qui voit à l'intégration des finissants au marché du travail. De plus, le service veille sur le cheminement des diplômés de l'école en demeurant un service auquel ils auront accès tout au long de leur carrière.

L'École des Hautes Études Commerciales possède aussi une garderie accessible aux enfants du personnel, des professeurs et des étudiants.

Le Centre de perfectionnement HEC accueille chaque année près de 2000 gestionnaires, cadres intermédiaires et supérieurs, répartis dans une centaine

d'activités. Le centre offre des cours de perfectionnement sous forme de séminaires publics, de programmes ou séminaires "sur mesure", de séminaires pour la haute direction d'entreprises et de colloques. Directeur : Jacques Villeneuve.

Centres de recherche

Centre de gestion des coopératives. Directeur : Jean-Guy Rousseau, LScComm, LScCompt, FCA

Centre de recherche sur les transports (Centre conjoint : Université de Montréal, École Polytechnique, École des HEC). Directeur : Gilbert Laporte, BSc, MA, PhD

Centre d'études en administration internationale (CETAI). Directeur : André Poirier, LScComm

Groupe de recherche en image et animation par ordinateur MIRALab. Directrice : Nadia Magnenat Thalmann, LSc, MSc, DSc

Groupe de recherche en système d'information (GRESI). Directeur : Paul Mireault, MSc, PhD

Groupe de recherche et de formation en gestion des arts. Coordonnateur : Mario Beaulac, DSA

Groupe d'études et de recherche en analyse des décisions (Gérad) (Groupe conjoint : École des HEC, École Polytechnique, faculté d'administration de l'Université McGill). Directeur : Richard Loulou, MSc, PhD

Groupe Femmes, Gestion et Entreprises. Coordonnateur: Francine Richer Cugno, Baccpédagogie

Chaires de recherche

Chaire de commerce Omer DeSerres. Gunnar K. Sletmo, DiplAdm, PhD

Chaire d'entrepreneurship Maclean Hunter. Jean-Marie Toulouse, LPh, PhD

Chaire de sciences comptables. Yves-Aubert Côté, LScComm, LScCompt, FCA

Huron College*

General Information

Address: London, Ontario N6G 1H3
Telephone: (519) 438-7224

Principal: Charles Joseph Jago, BA, PhD

Inquiries: Direct general correspondence to the registrar, Catharine Ridley.

Full-time faculty (1989-1990): 40

History and Governance

Huron College, the founding college of the University of Western Ontario, was established in 1863. As a result of its academic affiliation with the University of Western Ontario, students can take courses taught both at the college and at the university and have access to all academic and social resources of the university. Degrees are conferred by the university through Huron College. In 1980, the college became a fully accredited member of the American Association of Theological Schools.

Huron College is an undergraduate co-educational, residential liberal arts and theological college. The board of governors consists of 13 members, and the college comes under the senate of the University of Western Ontario.

Buildings and Grounds

Huron College is located in London, Ontario, a city of approximately 220,000. The 46-acre college campus is situated adjacent to the campus of the University of Western Ontario. There are a number of ramps, as well as a small lift, to facilitate access to buildings for physically handicapped students.

Library

The library hold 130,000 volumes and the collection grows at a rate of 500 volumes per month. Braille and volunteer readers are available for visually impaired students.

Programs and Degrees

From Ontario Grade 13 graduation, general bachelor's degrees require 3 years (15 credits) of study and honors bachelors' degrees require 4 years (20 credits) of study unless otherwise specified.

One full credit normally represents 1 full course requiring either 3 lecture hours per week for 2 terms, or 6 lecture hours per week for 1 term. One half credit is usually equivalent to 3 lecture hours per week for 1 term. Extra partial credits may occasionally be awarded for labs or particularly demanding courses.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts and social science
Bachelor of arts (BA)

Business administration
Only the first 2 years of this honors program are offered at the college. Students complete their third and fourth years at the University of Western Ontario's school of business administration.

Theology
Master of divinity (MDiv) 3 years beyond a bachelor's degree from a recognized university.

Admission Requirements

Undergraduate
Ontario: A minimum of 6 credits at the Ontario Grade 13 level or its equivalent with an average of not less than 75% for admission to the faculty of arts or social science. These 6, Grade 13 credits must include: 1 credit in English; 1 credit in French or a foreign language or mathematics; 1 credit each in 2 of biology, chemistry, English, French, foreign languages, geography, history, mathematics, music, and physics; at least 2 other credits from subject areas specified above or from those approved by the Ministry of Education at the Grade 13 level. A student must have credit in at least 4 different subject areas.

Other provinces: Students are eligible for admission on the basis of senior matriculation, if their academic record meets in subject matter and standing both the minimum requirements for admission to their home universities and the requirements for admission to Huron College. The following are considered as senior matriculation. Alberta, British Columbia, Manitoba, New Brunswick and Saskatchewan: Grade 12. Nova Scotia: Grade 12 or first year at Nova Scotia universities after junior matriculation. Prince Edward Island: first year at the UPEI. Newfoundland: first year at Memorial University. Quebec: completion of first year CEGEP, general program.

Mature students
Applicants must be 21 years of age and have been away from formal education for at least 4 years. Students must be Canadian citizens or permanent residents at the time of application. Applicants must submit a letter to the admissions committee outlining activities since leaving secondary school to the present. An interview is required.

Senior citizens
Applicants aged 60 and over are not required to pay tuition fees and are subject to the same admission requirements as mature students.

* Ordinary member, AUCC. Affiliated to The University of Western Ontario.

International students

Students whose first language is not English are required to pass the Test of English as a Foreign Language (TOEFL); minimum score 560.

Africa and Asia: Applicants must submit qualifications as outlined under the United Kingdom and Commonwealth when these educational systems are available. Otherwise, see Central and South America.

Central and South America: Applicants must submit a satisfactory senior matriculation diploma, along with an official transcript which indicates acceptable completion of at least first year from an accredited university in their country.

Europe: Applicants who have completed a matriculation diploma, which will permit entrance to an accredited university in their country, may be reviewed for admission.

India and Pakistan: Applicants must submit a BA or BSc degree from an accredited Indian university in either first or second division.

Middle East: Applicants must submit a satisfactory senior matriculation diploma, along with an official transcript which indicates acceptable completion of first year from an accredited university in their country.

United Kingdom and Commonwealth: Applicants must submit either 5 GCE passes of which 2 must be at the A-level or 4 general GCE passes of which 3 must be at the A-level.

A-level passes must meet the following conditions: average of D or better; satisfy specific program requirements; subjects offered must be different (i.e. physics and chemistry); and an A-level pass will not be accepted if the same subject is offered at the O-level and is to be included in the 5/4 passes to be used as a basis of admission.

Australia and New Zealand: Applicants must submit a matriculation certificate from a university at an acceptable level.

USA: Students must have Grade 12 with first class standing or 1 year at junior college or university.

Academic Year

Winter session: mid-September to first week in May.

Grading System

Same as the University of Western Ontario.

Student Life and Services

The Huron College student council and the University of Western Ontario student services are responsible for extracurricular activities. Residence accommodation is provided for 219 men and 129 women. Huron College has a resident nurse and students have access to the University of Western Ontario health services. The college has a chaplain and warden in residence. Counselling is available at all times through the office of the dean and registrar. Handicapped students should direct queries related to access and services to the registrar. The bookstore is located on the university campus and services all of the colleges.

King's College*

General Information

Address: 266 Epworth Avenue, London, Ontario N6A 2M3
Telephone: (519) 433-3491
Telex: 024-691
Fax: (519) 433-2227

Principal: Philip J. Mueller, PhB, STB, STL, PhD

Inquiries: Direct general correspondence to the registrar, Marilyn Mason, BA, MA

Admissions and liaison officers: E. Da Ponte, BA and J. Donahue, BA

Full-time faculty (1989-90): 60

History and Governance

The College of Christ the King, an arts college for non-clerical students, was established in 1955. Its graduates received their degrees from the University of Western Ontario through an existing St. Peter's Seminary College of Arts affiliation. In 1966 the affiliation agreement with the university was transferred to King's College. All faculty appointed to and courses given by the college are approved by the university senate and the degrees conferred on all students are those of the university. The principal of the college is an ex officio member of the university senate. The college is under the governance of a 22-member board of directors. A college council, composed of faculty, administrative and professional officers, and students is the academic policy-making body of the college.

King's College is a co-educational undergraduate college of arts, social sciences and social work. It is sponsored by the Roman Catholic Diocese of London and is open to students of all beliefs.

Buildings and Grounds

King's College is located in London (population 280,000), 2 blocks from the University of Western Ontario. An inter-lecture bus service operates between the college and the main campus allowing for an integration of courses from various parts of the university. The college buildings house faculty and administration offices, seminar rooms, classrooms, a chapel, a cafeteria, lounges, the library, students' council offices, a women's residence and a men's residence.

Library

The college library houses some 92,000 volumes and subscribes to approximately 550 periodicals. King's students, as members of the University of Western Ontario community, have use of the libraries at Western and at the other affiliated colleges. In addition, St. Peter's Seminary provides further course and library facilities to King's College students.

Programs and Degrees

One full credit normally represents 1 full course requiring either 3 lecture hours per week for 2 terms, or 6 lecture hours per week for 1 term. One half credit is usually equivalent to 3 lecture hours per week for 1 term. Extra partial credits may occasionally be awarded for labs or particularly demanding courses.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts

Bachelor of arts (BA) general program. Three years (15 credits) from senior matriculation in liberal arts and social sciences. Honors program 4 years (20 credits) from senior matriculation.

Social work

Bachelor of social work (BSW[honors]) 4 years beyond senior matriculation.

Special programs

From time to time the college offers special programs supplementary to the large number offered by the University of Western Ontario.

Continuing education

Social work and religious studies courses are offered at the college during intersession and summer session as part of the University of Western Ontario summer program.

Admission Requirements

Undergraduate

Same as for the University of Western Ontario. See separate entry. For admission to the bachelor of social work program, a minimum overall average of 70% is required in the second year at university in addition to an acceptable departmental interview. Please contact the department of social work for further information.

Costs (1989-90)

Tuition fees: Full-time (more than 3 courses) $1,517 per year. Part-time (3 courses or less) $318 per course. International student full-time fee: $5,721.

Residence: Room and board, winter session, $4,110. Seven day meal plan is included in residence fee.

Activity fee: $294.50.

All fees subject to change without notice.

Academic Year

Winter session: Early-September to late-April.

Grading System

Same as that of the University of Western Ontario. See separate entry.

* Ordinary member, AUCC. Affiliated with The University of Western Ontario.

Student Life and Services

The principal building on campus provides accommodation for approximately 100 women while additional residence accommodation is provided in 3 separate buildings for 76 women and 113 men.

For information on off-campus housing, contact the off-campus housing office of the University of Western Ontario.

Student services include a chaplaincy and psychological counselling. College students also have access to all services and facilities provided by the University of Western Ontario.

Disabled students should make themselves known to the dean of students on campus for information about facilities and services.

A students' council promotes cultural, social and athletic activities during the academic year and encourages student participation in the college council, the board of directors and most administrative committees of the college.

Affiliated Institution

St. Peter's Seminary, 1040 Waterloo St. London, Ontario N6A 3Y1 Telephone, (519) 432-1824. Major seminary of the Roman Catholic Diocese of London. Primary purpose is the preparation of men for the diocesan priesthood. Founded in 1912. Affiliated in 1975 with King's College. Courses leading to master of divinity (MDiv) conferred by the University of Western Ontario. Associate member of the Association of Theological Schools in the United States and Canada (ATS). Rector: P.W. Fuerth, BA, STD

The King's College*

General Information

Address: 10766-97 Street, Edmonton, Alberta T5H 2M1
Telephone: (403) 428-0727

President: Henk W.H. Van Andel, BSc, MSc, PhD

General inquiries: Direct general correspondence to the president, Henk W.H. Van Andel, BSc, MSc, PhD

Admissions inquiries: Direct program or admission inquiries to the registrar, Robert D. Day, BA, MA, PhD

High school liaison officers: Barb Johnson, Bruce Voogd

Full-time faculty (1989-90): 23

History and Governance

The King's College is an independent Christian liberal arts college. It was founded in 1979 and has since that time offered degree programs and university transfer programs in the arts and sciences, education, and business. In March 1987, the college received accreditation of a 3-year BA program and in January 1989, accreditation of a 3-year BSc program. Currently these programs are offered with 8 areas of concentration in the BA and 2 in the BSc. The college granted its first BA degrees in 1987 and its first BSc degrees in 1990.

The college has had an affiliation agreement for credit transfer with the University of Alberta since 1983.

The King's College is a private, co-educational Christian institution unaffiliated with any particular church denomination. Its educational philosophy is articulated in a mission statement with an associated statement of faith. It is governed by a 36-member board of governors and a 14-member senate.

Buildings and Grounds

The King's College is located in central Edmonton just north of the downtown core. Edmonton is an urban centre of some 750,000 people and is the capital of Alberta. The college occupies 2 attached buildings on 1 city block, which provide the usual facilities for college programs, including a cafeteria, bookstore, library and small gymnasium. The college's location is very accessible, served by numerous bus routes, and is within a 15 minute commuting distance of the University of Alberta campus. Student and staff parking is available. The college operates an apartment-style residence for students at 5 minutes walking distance from the campus.

The King's College has purchased land in South-Edmonton and intends to build a new campus on this property by 1993.

Libraries

The library collection totals approximately 53,000 books, periodicals, and audio-visual items and 256 periodical subscriptions. Students have access to the University of Alberta library, whose catalogue is available on site. DIALOG databases are available to patrons. The college has a special collection of theological and philosophical works in the Reformed tradition, many in the Dutch language. The library has seating for 80 students and is open 70 hours per week.

Programs and Degrees

The college offers 3-year degrees, requiring 30 term courses after high school senior matriculation. A normal term course carries a weight of 3 credits and usually involves 3 hours per week of instruction plus a laboratory or seminar session once per week for a total duration of 13 weeks (one semester). Fall and winter semesters are offered; there are no spring or summer sessions. The occasional course spans 2 semesters. Private music instruction on a wide range of instruments is available in multiples of one-half hour per week units.

The degree programs have a humanities core requirement as well as distribution requirements in the social sciences, fine arts, and natural sciences. The college offers university transfer programs in many disciplines including business and education.

Students are required to follow certain core courses in the humanities in their first and second year even if they intend to transfer. The college also offers diploma programs which are 20 term courses in length.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts

Bachelor of arts (BA)
Bachelor of science (BSc)
Diploma of business
Diploma of church music

Admission Requirements

Alberta: Alberta high school diploma with a blended average of at least 60% in 5 matriculation courses including English 30.

Other Canadian provinces: Generally those requirements specified for entry into local provincial universities.

Mature students

Students who are or will be at least 21 years of age in their first year of college who do not meet the usual admission requirements will be considered for admission based on high school record and potential for success in college. Such students may be asked to write special admission tests administered by the college.

Transfer students

The college accepts students transferring in from other postsecondary institutions, provided their admission status is at least equivalent to those applying for first year studies. Advanced credit is given for course work done

* Provisional member, AUCC. Affiliated with the University of Alberta.

at the university level or equivalent, provided the work done matches the student's program requirements.

International students

Consideration for admission of students from outside Canada is based on high school diploma. Students whose mother tongue is not English must show proficiency in English by presenting a score of at least 580 in the TOEFL test, with a minimum of 50 on each component of the test.

Advanced standing may be awarded to students who have completed the International Baccalaureate program, depending on program details.

Application Deadlines

Applications are received throughout the year. Current application deadlines are August 31 for the fall semester and December 31 for the winter semester (to be reviewed). Students wishing to apply for scholarships and bursaries must do so by March 31.

Academic Year

Fall semester: Second week in September to the third week in December. Winter semester: First week in January to the last week in April.

Grading System

The college uses the 9 point grading system used by the University of Alberta as follows: Excellent, 9,8; good, 7,6; pass, 5,4; fail, 3,2,1. Passing grade is 4; a student must have an average of 5.0 (except in the first year) to graduate and achieve a 5.0 average to maintain satisfactory standing. Students with a 7.5 average and no failing grades receive honors standing. Other grades given are W (withdrawn), AU (audit) and IN (incomplete).

Student Life and Services

The King's College offers a full range of activities and services outside the classroom such as recreational, artistic, musical, pastoral, athletic, and social services that help students experience a rich, warm, diverse and caring community. Personal growth, spiritual development, relationship skills, lifelong friendships and the integration of faith with all of life are among the significant goals of the student life program at the college. The college offers weekly chapel services and organizes assemblies for student discussion of various issues. A full-time counsellor is available to students, providing both personal and career counselling.

Student government is provided by the student co-ordinating committee elected by the student body. A number of student clubs and groups operate under the auspices of SSC including the student newspaper, The Chronicle.

The college has an athletics program, fielding teams in ice hockey, basketball and volleyball. Participation is in local city leagues and tournaments throughout Western Canada.

Student service facilities include a bookstore, cafeteria, lounge, gymnasium for intramural and league athletics, and a career resource centre.

An apartment style residence is available for student housing. No meal plan is provided. Students share 1 or 2-bedroom apartments in this college-owned building. Lounge and common study facilities are provided in this student residence. A housing registry provides students with help in finding off-campus accommodation.

University of King's College*

General Information

Address: Halifax, Nova Scotia B3H 2A1
Telephone: (902) 422-1271

President: Marion G. Fry, BA, MA, MLitt, DCL

Inquiries and high school liaison: Direct general correspondence to the registrar, Patricia M. Howison, BA, MCS, MA, PhD

Full-time faculty (1989-90): 20

History and Governance

The University of King's College was established in 1789 by an act of the provincial legislature. Teaching began that year at Windsor, Nova Scotia and the first degrees were probably awarded in 1802 or 1803. Following a fire in 1920, the university was re-established in Halifax in 1923. The university became associated with Dalhousie University, and under the terms of this association, holds in abeyance its power to grant degrees, except in divinity and other faculties not forming a part of Dalhousie. In arts and science, the 2 staffs are for the most part combined. King's also retains complete control over present endowments, administration of residences and all internal matters.

The University of King's College is a public, co-educational institution, governed by a 30-member board of governors and by the faculty of the university.

Buildings and Grounds

The University of King's College is situated on 5 acres of land on the Dalhousie University campus in Halifax (metropolitan population 267,991). The principal building houses the offices of administration, classrooms and the library. In addition, there are the president's lodge, a dining hall, a chapel, men's and women's residences, a gymnasium and a swimming pool.

Library

The library was founded in 1789. It now has over 80,000 volumes, principally in the humanities and theology. It is especially strong in English literature which is aided by the Dr. J. Burns Martin Memorial Fund; in Canadiana supported by the William Inglis Morse Endowment; and in theology, philosophy and history. The Honorable W.J. Almon Memorial Fund and the Dr. T.H. Hunt Memorial Fund (a gift of the alumni) aid in the purchase of books.

Special collections: Over the years the library has received many valuable and interesting gifts. Many of the 44 incunabula in the collection were among a gift of books from T.B. Akins in 1872. The manuscript collection is small but it contains a number of illuminated medieval manuscripts. There is also a fine collection of United Empire Loyalist china given the university in 1881. Among the other interesting non-book items is a cuneiform tablet, date c.880 BC given in 1873, and swords that belonged to Sir John E. Inglis and Sir William Fenwick Williams, 2 noted Nova Scotians.

Programs and Degrees

One full credit normally represents 1 full course requiring either 3 lecture hours per week for 2 terms, or 6 lecture hours per week for 1 term. One half credit is usually equivalent to 3 lecture hours per week for 1 term. Extra partial credits may occasionally be awarded for labs or particularly demanding courses.

Bachelor's degrees in arts or science normally require 3 years from senior matriculation; honors and advanced major degrees normally require 4 years. The BJ (Hons), degree requires 4 years to complete, the BJ is completed in 1 year, after a first degree.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts

Bachelor of arts (BA) general and honors. Offered through Dalhousie University.

Divinity

King's holds in abeyance powers to grant degrees in divinity given its co-operation in the Atlantic School of Theology.

Journalism

Bachelor of journalism (BJ)
Bachelor of journalism (honors) [BJ(Hon)]

Science

Bachelor of science (BSc) general and honors. Offered through Dalhousie University.

Special program

King's, in association with Dalhousie University, offers a Foundation Year program designed for entering first-year students who wish to pursue studies in humanities and social sciences leading to BA or BSc without disciplinary or subject concentration in first year. Designed as an integrated program of studies focusing attention on development of institutions and ideas in Western societies. Students can develop choice of greater specialization for subsequent years. Successful completion will result in 4 credits towards BA or 3 towards BSc. For more information, contact the registrar, (902) 422-1271.

Admission Requirements

Undergraduate

Canadian and international students: For admission to the arts and science programs, see the University of Dalhousie entry. For admission to the BJ (Hon) program, the minimum academic standing is the same as for admission into arts programs of Dalhousie University; applicants to the BJ must hold a bachelor's degree with a minimum "B" average. In addition, all applicants to the

* Ordinary member, AUCC. Associated with Dalhousie University.

school of journalism are required to submit a writing sample. Admissions are made on a competitive basis.

Application Deadlines

The last date for receipt of applications for September admission to arts and science is normally June 1; the deadline for applications from international students is normally May 1. The final date for receipt of applications for journalism is normally March 1.

Academic Year

Regular session: Mid-September to early May.

Grading System

A+, A, A-, 3 merit points; B+, B, B-, 2 merit points; C+, C, C-, 1 merit point; D. A minimum of 12 merit points is required for the granting of a 15 credit BA or BSc degree.

Student Life and Services

The students' union is the organization through which students enjoy their right of self-government and through which they endeavor to play a role in all aspects of university life. The main organs of the union are its executive, the students' council and the student assembly.

Alexandra Hall, the women's residence, will accommodate 121 students. There is also separate accommodation for 124 men in various buildings on campus.

There is an athletic association for men and women, a dramatic and choral society and debating and literary societies.

Health services and a small in-patient infirmary are provided for students. Further specialist services in a fully accredited medical centre are available by agreement with Dalhousie University. In addition, Dalhousie counselling services are available to King's students.

Opportunities exist for students to earn part of their college expenses by working in the library, gymnasium and dining hall. A year-round Canada Employment Centre is maintained on campus to assist students in obtaining employment.

Research Institutes

Institute for Advanced Study. Director: Dr. K.E. von Maltzahn. The purpose of the institute is to further and to communicate the interests of the college in the investigation of the foundations of Western culture. Its interests are interdisciplinary in nature and will encourage cross-disciplinary study by sponsoring research, conferences and lectures.

Institute for Pastoral Training. Secretary: Rev. Dr. R. Stokoe.

Research Chair

The MacLean Hunter Chair in Journalism and Contemporary Studies.

Associated Institution

Atlantic School of Theology, 640 Francklyn Street, Halifax, Nova Scotia B3H 3B5 Telephone, (902) 423-6939. Co-educational theological school combining the resources of former Anglican, Roman Catholic and United Church institutions (King's, Holy Heart Theological Institute and Pine Hill Divinity Hall). Founded in 1971, the purpose of the school is to prepare students for ordination in the above denominations and to provide opportunities for theological study for interested persons. President: Rev. Dr. Gordon E. MacDermid, BA, BD, PhD

Lakehead University*

General Information

Address: Oliver Road, Thunder Bay, Ontario P7B 5E1
Telephone: (807) 343-8110
Cables and Telegrams: Lakehead University, Thunder Bay, Ontario
Telex: 0734594
Fax: (807) 343-8023

President and Vice-chancellor: Robert G. Rosehart, BASc, MASc, PhD, PEng

Inquiries: Direct general correspondence to the registrar, Pentti A. Paularinne, HBA

Full-time faculty (1989-90): 260

History and Governance

Lakehead University evolved from Lakehead Technical Institute which was established in 1946 by order-in-council of the province of Ontario. Classes began in 1948 and in the same year, first-year university courses were added to the curriculum. Lakehead College of Arts, Science and Technology was established by an act of the Ontario legislature in 1957. The governance and control of Lakehead Technical Institute were transferred to the board of governors of Lakehead College. The present university site, donated by the city of Port Arthur, was occupied in 1957. Second-year arts courses were added in 1960-1961. In 1962 the original Lakehead College of Arts, Science and Technology Act was amended to give the college university powers to establish faculties and to confer university degrees in arts and science. The Lakehead University Act was proclaimed in 1965 and the first degrees in arts and science were conferred in the same year.

Lakehead University is a co-educational and non-denominational institution. Control is vested in a board of governors and a senate.

Buildings and Grounds

Lakehead University consists of 29 buildings and is situated on 118 hectares in the city of Thunder Bay (population 121,000).

The first college building opened in 1957 and a new library wing was added in 1960. In 1969, 2 extensions providing additional lecture rooms and laboratory space were opened. A new residence was opened in 1962 and expanded in 1966. A residence village comprising 10 new buildings was subsequently completed and is situated on the McIntyre River within walking distance of all university buildings. The university centre has a 380-seat theatre auditorium, lecture and seminar rooms, club rooms, a residence dining room and a cafeteria. From 1965 to 1969 the university continued to grow. A new library building was erected and expanded; an athletic centre gymnasium was constructed; and the Centennial building was opened to house science and technology laboratories, classrooms and faculty offices. An addition to the athletic centre, which includes an Olympic-size swimming pool, 3 squash courts, a general-purpose training room, a wrestling room, 2 classrooms, shower rooms and additional office space, opened in 1972. Also in 1972, a new academic building which provides additional faculty offices and classroom space was opened. Ramps have been added to facilitate access for disabled students.

A man-made lake is in the centre of the campus. It was planned with the regional conservation authority and acts as an important flood control project for the McIntyre River which runs through the campus.

Libraries

The university library consists of the Chancellor Norman M. Paterson Library and the education library. Together these serve the needs of students and faculty on campus as well as those students taking courses at off campus locations and by distance education. The university library collection contains over 600,000 books, journals and other documents as well as over 200,000 microform volumes. Access to the collection is provided through the multiLIS automated library management system.

The Chancellor Paterson Library houses the main library collections as well as the administration offices. The Northern Studies Resource Centre, and the archives are also located in the Chancellor Paterson Library. The education library located in the Bora Laskin Building serves the needs of the students and faculty in the school of education. The collection in the education library consists of 40,000 volumes as well as a wide variety of audiotapes, films and other nonprint materials.

Services provided by the library include computerized literature searching as well as interlibrary loan service.

Programs and Degrees

Bachelor's degrees require 3 or 4 years from senior matriculation unless otherwise specified. Master's degrees require minimum 1 year from honors bachelor's degree unless otherwise specified.

One full credit normally represents 1 full course requiring 3 lecture hours per week for 2 terms. One half credit is usually equivalent to 3 lecture hours per week for 1 term.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts

Bachelor of arts (BA) general program, 3 years from senior matriculation. Honors program, 4 years from senior matriculation.
Bachelor of arts (music)
Bachelor of music. Honors program.
Bachelor of fine arts (visual arts) honors program.

* Ordinary member, AUCC

Bachelor of outdoor recreation - bachelor of arts (geography)
Bachelor of social work (HBSW) honors program, 1 year honors bachelor of social work degree program for graduates with an approved degree is also available.
Master of arts (MA)

Business administration

Bachelor of administration (BAdm) 3 years from senior matriculation.
Honors bachelor of commerce (HBCom) 4 years.
Graduate diploma in business administration. One year after first degree (12 half courses).

Education

Concurrent degree programs for elementary and secondary school teachers (BA/BEd, BSc/BEd)
Bachelor of arts/Bachelor of education (native education) for persons of native descent.
Bachelor of education (BEd) 1 year from first degree.
Master of education (MEd) Full-time and part-time.
Native language instructor's diploma. For persons of native descent. Offered summer only.

Engineering

Year 1 of undergraduate studies in applied science is available.
Bachelor of engineering (BEng) 2 years beyond 3 year-diploma in engineering technology.
Diploma in engineering technology (DipEngTechnol) 3 years beyond junior matriculation or 2 years beyond senior matriculation.

Forestry

Bachelor of science in forestry (HBScF) honors program, 4 years from senior matriculation. Co-operative education option is available.
Diploma in forest technology (DipForTechnol) 2 years beyond junior matriculation.
Master of science (MSc) minimum 1 year from HBScF or allied science with a B average.

Library science

Diploma in library technology. Two years beyond senior matriculation.

Nursing

Bachelor of science in nursing (HBScN) honors program, 4 years.
Bachelor of science in nursing for registgered nurses. Honors program.

Physical and health education

Bachelor of physical education (HBPE) honors program, 4 years.
Bachelor of outdoor recreation. Honors program, 4 years.
Master of arts (MA) in theory of coaching, minimum 1 year after honors degree in physical education.
Master of science (MSc) in theory of coaching, minimum 1 year after honors degree in physical education.

Science

Bachelor of science (BSc) general program, 3 or 4 years from senior matriculation. Honors program, 4 years from senior matriculation.
Bachelor of outdoor recreation - bachelor of science (natural science). Honors program.
Master of science (MSc)

Special programs

Native Nurses Entry program: A 9 month preparation program designed to provide the necessary skills and academic preparation required for successful completion of the 4-year nursing degree program. The program is based on 2 semesters of 12 weeks each, as well as a 2-week field experience. The student may choose field experiences in their own community or other native health setting. On successful completion of the preparation period, the student will enter Year I of the honors bachelor of science in nursing program at Lakehead University.

Certificate programs

Lakehead University currently offers distance learning packages for certificate programs in tourism and recreation, and environmental assessment. A certificate program at Lakehead has been defined by senate as follows.

"Certificate programs are intended to provide individuals with concentrated instruction in specific areas of study. Lakehead University offers non-degree/non-diploma certificates to candidates who have successfully completed an approved program which usually will have a professional or an applied focus organized around a theme or current issue.

A certificate is awarded upon completion of a minimum of 2.5 full course equivalents in closely related subjects, 2 full course equivalents of which must be taken from Lakehead University. Students may transfer credit courses as electives to a degree or diploma program where applicable but no credit for courses already attributed to a certificate will be given towards a second certificate.

Admission requirements will be specific to each program. Any additional requirements will be defined in the guidelines of the program. A minimum overall average of at least 60% is required in the courses taken for a certificate."

For more information on entrance requirements, courses and applications contact the distance education office at: 1-800-465-3909 or the office of continuing education at 1-807-343-8210.

Certificate programs are also available in Algonquin studies, French proficiency and school librarianship.

Co-operative programs: A co-op education program is available in the honors bachelor of science (computer science) program and in the honors bachelor of science (chemistry-industrial experience option) program.

Special programs are also available in Canadian studies, Boreal studies, native studies (available in the summer session) and religious studies.

Continuing education

Off campus centres: Undergraduate and graduate courses are offered in arts and education for students proceeding to a degree and for teachers wishing to improve their professional qualifications. These courses are presently offered off campus at the following towns: Atikokan, Dryden, Rainy River, Fort Frances, LongLac, Geraldton, Kenora, Manitouwadhe, Marathon, Nipigon/Red Rock, Vermillion Bay, Ignace, Red Lake, Sioux Lookout, Terrace Bay, Ear Falls, Sault Ste. Marie, Pickle Lake, Nakina and Sandy Lake.

Evening: Undergraduate courses are offered in all programs.

Spring and summer session: Courses are offered on and off campus in all program areas for undergraduates proceeding to a degree and for teachers wishing to upgrade their professional qualifications through degrees and diplomas in education.

Other: Special short professional or upgrading courses are offered on occasion.

Distance education: The distance education program at Lakehead University, offers credit courses in the bachelor of arts (general program) to students throughout northern Ontario. The school of nursing in collaboration with distance education offers a part-time baccalaureate degree program by distance education. Students registered for these courses receive a learning package consisting of audio or video cassettes with accompanying notes, guides and textbooks. In addition, courses are supported by audio teleconferences, telephone tutorials, library and student support services. Registration for courses can be conducted by mail or in person. There are 3 registration periods per year with registration deadlines approximately 1 month prior to the start date of regular classes (refer to the academic calendar for dates). Contact North Access sites in many of the larger communities serve as information points, teleconferencing and examination centres. Audio, video and computer equipment at these sites can be used by students for course-related activities.

Admission Requirements

Diploma programs

Ontario: Successful completion of an advanced level Grade 12 (OSSD) program or equivalent. Overall average at least 60%. Certain programs require specified subjects at Grades 11 and 12 levels.

Other provinces: Applicants must present certificates equivalent to Ontario Grade 12 high school diploma. Provided the subjects offered are acceptable, the following certificates are usually considered equivalent. Alberta, British Columbia, Manitoba, New Brunswick, Newfoundland, Prince Edward Island, Nova Scotia, Saskatchewan: Grade 11. Quebec: Successful completion of secondary V or equivalent.

Degree programs

Ontario: Successful completion of Ontario Secondary School (OSSD) including 6 grade 13/OAC courses or equivalent. Overall average at least 60%. In addition, candidates must include in matriculation programs subjects that interlock with planned university majors. Applicants with high standing in Grade 12 (OSSD) will be considered on individual basis. Principal's recommendation and school record required.

Other provinces: Academic credentials presented must be acceptable equivalents to Ontario Grade 13/OAC. Provided the subjects offered are satisfactory, the following educational levels are considered equivalent. Alberta, Prince Edward Island, British Columbia, Manitoba, New Brunswick, Newfoundland, Nova Scotia, Saskatchewan: Grade 12. Quebec: First year of CEGEP general program or senior high school leaving certificate from a recognized private school.

General: For admission to both degree and diploma programs, applicants lacking required subjects may be considered for admission if level of achievement in associated subjects is better than average. Each case considered individually.

Mature students

For most programs, applicants who are at least 21 years of age in calendar year of entry, residents of Canada, and have not attended postsecondary institutions for 2 years prior to application for admission, will be considered as adult students. Those considering a program in science, engineering or business administration on mature student basis should discuss necessary preparatory work with the registrar. Mathematics to admissions level and preferably some sciences for science and engineering applicants required.

Senior citizens

Tuition fees are waived for individuals aged 60 years of age and over who are Canadian citizens or permenent residents. All costs for materials related to a course are borne by the student.

Graduate

First degree with at least second-class standing in appropriate subjects.

International students

Applicants whose mother tongue is not English must submit a minimum score of 550 on the Test of English as a Second Language (TOEFL) or 90 on the Michigan English Language Test (MELT)

Commonwealth: GCE or equivalent with passes in 5 subjects with at least 2 at A-level.

USA: Grade 12 with a minimum A average. Otherwise applicants must present acceptable US Grade 12 standing plus 30 semester hours or 45 quarter hours of formal study in subjects comparable to Ontario Grade 13. Such credit must be acquired through an accredited college or university.

Other: Applicants submitting International Baccalaureate are eligible for admission consideration.

Academic Year

Winter session: Mid-September to early May. Spring session: May to late June. Summer session: Early July to

mid-August. February session: Early February to end of April.

Grading System

A+ (first class standing), 90-100%; A (first class standing), 80-89%; B, 70-79%; C, 60-69%; D, 50-59%; E (fail), 40-49%; F (fail), 1-39%; F- (academic dishonesty), 0%; Inc (incomplete). In graduate programs, fail= 1 to 59%.

Student Life and Services

The Lakehead University student union fee automatically entitles the student to membership in the society. The funds help subsidize student publications, the winter carnival and other social events in addition to all student clubs and associations. These funds are administered by the society which is composed of elected student representatives. Students are represented by the union in such areas as food services, the senate and senate committees, and the board of governors.

The university has a wide variety of extra-curricular activities in which students may participate. Athletics programs at Lakehead University emphasize both individual and team activities. Varsity, intramural, club and recreational service programs enjoy a parity of esteem and participation. Facilities and staff are provided for maximum participation at all levels of competition and recreation.

Lakehead University participates in the Canadian Interuniversity Athletic Union and beginning in 1988/89 in the Ontario Universities Athletic Association (men) and Ontario Women's Interuniversity Athletic Association. The university has compiled an admirable record in interuniversity competition in both men's and women's sport events. Lakehead faculty and students have represented Canada internationally in such sports as wrestling, curling, basketball, judo, volleyball and swimming. Athletes compete at the varsity level in men's and women's basketball, women's volleyball, men's wrestling, swimming and diving, and nordic and alpine skiing. Club sports include men's rugby, men's and women's soccer, men's volleyball and track. There is a wide range of intramural sports available for students as well. A complete sports medicine clinic is also available for faculty, students and staff.

The C.J. Sanders Field House includes a large multi-purpose gymnasium which accommodates approximately 1,200 people for athletic events, an auxiliary gymnasium/wrestling area, weight training area, saunas, changing rooms and lockers, a 50 m 8-lane pool, squash courts, tennis courts and playing fields. These facilities are used by the local community and are enjoyed by all age groups in a wide variety of organized recreational activities. Outdoor hockey and skating areas are available during the winter months. Curling facilities are available nearby for students.

Some of the best alpine and nordic skiing in Ontario can be found within 20 minutes from the campus. The well groomed hills and trails and the short lift lines are a skier's delight. The student alpine ski club regularly organizes trips to the ski hills.

In the summer, the grounds around the athletic complex become playing fields for softball, soccer and football. Outdoor tennis courts are located in the residence complex.

Lakehead University Residence can accommodate 783 students. There are basically three building structures: Prettie Residence, which houses mostly female students (dormitory style); Bartley Residence, which is a series of connected houses which may be either all male, all female or co-educational by floor (dormitory stuyle); and The Townhouses which are 4-bedroom townhouses for upper year students and are for males and females (by house) with all single rooms. There are no facilities for married couples. Bartley and Prettie Residence houses are names after towns in Northwestern Ontario. In Bartley and Prettie Residence, it is a requirement of living in residence that you purchase a meal plan.

Day care facilities are also available on campus. The Nanabijou Childcare Centre can accommodate 31 children between 18 months and 5 years of age.

The campus health centre has 2 registered nurses in attendance. University physicians are available at regular hours throughout the week. All students are required to have medical and hospital insurance. Many students may already be covered under a family plan, however, a student is no longer covered under a family plan at the age of 21. OHIP application forms are available from the health centre. Out-of-province students will be required to provide proof of adequate medical and hospital insurance coverage at registration.

Overseas students are strongly advised to have OHIP or another form of medical insurance.

The health centre offers students comprehensive information and print material on such topical issues as alcohol and drug abuse, AIDS, nutrition, etc.

Students experiencing personal problems and/or difficulties in adjusting to university life, are encouraged to see the student counsellor. Personal and career counselling is available to all students through the counselling and career centre. Seminar and workshops in areas such as study skills, stress management and job search techniques are available throughout the year. Support services such as international student advisor, university chaplain and ombudsperson are available in addition to a special counselling and support service for native students.

The ombudsoffice at Lakehead University was established to provide an independent and confidential service to all members of the university community. The ombudsperson deals with a variety of complaints as well as requests for information on both academic and non academic problems.

The Thunder Bay office of the Canada Employment Centre, in co-operation with the university, maintains a student placement service on campus. Since the scope of the Canada Employment Centre service is nation-wide, students have access to employment opportunities from employers across Canada. Many of these employers arrange on-campus interviews at Lakehead as part of their personal recruiting program.

Lakehead University has made a major commitment to providing facilities and services to disabled students. Most areas of the campus are now wheelchair accessible.

Students with special needs due to a handicap and/or disability are encouraged to contact the co-ordinator of the learning assistance centre regarding special arrangements.

The disabled students action committee exists on campus and the chairperson of the committee may be contacted through the student union offices.

Resource Centres

Centre for Northern Studies.

The Office of Graduate Studies and Research. Director: C.H. Nelson , BS, MA, PhD

Occupational Health and Safety Resource Centre. Director: I.M. Chomyshyn, HBSc, C.I.H.

Innovation North. Industrial technology advisor: Doug Stone

Research Chair

Research Chair in Forest Management and Policy. Peter Duinker, PhD

Laurentian University of Sudbury*

Le texte français se trouve à la suite/French version follows

General Information

Address: Ramsey Lake Road, Sudbury, Ontario P3E 2C6
Telephone: (705) 675-1151
Cable: Laurentian University, Sudbury, Ontario
Telex: 0677569
NetNorth: COMMUN@LAUADMIN
Fax: (705) 673-6519

Acting President: Charles H. Bélanger, BA, BEd, MA, PhD

Inquiries: Direct general correspondence to the registrar, Jack M. Porter, BBA, MEd

High school liaison: Manager of liaison services: Chris Culliford, BA, DiplPublicAdmin.

Full-time faculty (1989-1990): 297

History and Governance

Lauren an University was established by an act of the Ontario legislature in 1960. The provincial act provided for the federation of denominational universities or colleges with Laurentian University. In 1960, the University of Sudbury (Roman Catholic), founded in 1913, and Huntington University (United Church), incorporated in 1960, federated with Laurentian. Thorneloe University (Anglican) joined the federation in 1963. By the acts of federation, the degree-granting powers of the federated colleges are held in abeyance except in theology.

First classes were on September 19, 1960 and the first convocation for graduates was in 1961.

Laurentian is a public, non-denominational, bilingual, co-educational institution. It is governed by a senate and a board of governors. The senate consists of 63 voting and 2 non-voting members and the board of governors is composed of 25 voting and 10 non-voting members.

Buildings and Grounds

The university is located on a 750-acre campus, within the limits of the city of Sudbury (population 88,117; region 151,552), only a 7-minute drive from downtown Sudbury. Campus facilities include the H.J. Fraser science building, recently renovated with 2 additional floors containing classrooms, laboratories, offices, shops, 3 auditoria which can be combined to form 1 large auditorium, a planetarium and an astrodome; a classroom building; the arts building housing faculty offices, seminar rooms and language laboratories; the dining assembly building; the administration or Ralph D. Parker building; and the new J.N. Desmarais Library, a state-of-the-art, 120,000 square-foot building. All these buildings are connected and allow indoor passage through the whole complex.

To the east and southeast of the main campus are the college residences and the Laurentian University residence complex where approximately 15,000 square feet are designated as a campus centre for centralized social facilities. Also located on campus is a sports complex including the Benjamin F. Avery physical education centre with a 50 m swimming pool, football and soccer fields, an Olympic-designed track, and tennis courts. A hoyer-lift has been installed in the pool and nearby shower and toilet facilities have been adjusted for the benefit of the handicapped.

Laurentian embarked on a new phase of development in 1987. The science building has been remodelled and expanded. The J.N. Desmarais Library will officially open in June 1990. A new student centre is scheduled for construction in late 1990. The Mines and Minerals Research Centre of the Ontario Government, scheduled for occupancy in late 1991, will bring new laboratories and testing facilities to the campus.

Libraries

The new J.-N. Desmarais Library currently holds 1 million volumes and over 3,000 periodicals, as well as some 17,500 microfilms and 223,000 microfiche. On-line databases include Dialogue, BRS, Can/ole and other specialized databases. The library alos offers CD-ROM products in a number of disciplines. The colleges also maintain libraries and reading rooms. Special assistance for disabled students is available upon request.

Special collections: Gardner Northern collection
Northeastern Ontario collection

Programs and Degrees

Bachelor's degrees require 4 years from senior matriculation unless otherwise specified. Master's degrees require 1 year beyond honors bachelor's degree unless otherwise specified.

Three credits normally represent 3 lecture hours per week for 1 term. Six credits is usually equivalent to either 3 lecture hours per week for 2 terms or 6 lecture hours per week for 1 term. Extra credits may occasionally be awarded for labs or particularly demanding courses.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts

Bachelor of arts (BA) general program, normally 3 years from senior matriculation. Specialized program, normally 4 years from senior matriculation.
Law and justice. One year certificate after Grade 13.
Competence in French as a second language. One year certificate.
French- principal language of communication. One year certificate.
Certificate in church music. One year certificate.
Family life studies and human sexuality. One year certificate.

* Ordinary member, AUCC

Public administration. One year diploma after a bachelor's degree.
Master of arts (MA)

Education
Sudbury Teachers' College on campus was integrated with Laurentian University on September 1, 1974 as the school of education. Offers programs leading to the certification of French-speaking teachers of Ontario.
Bachelor of arts (BA) 3-year program with concentration in education.
Bachelor of education (BEd) 1 year after BA.
Graduates qualify for BEO. Also offered in faculty of education at Nipissing College in North Bay.

Engineering
Bachelor of engineering [(BEng) in mining and in extractive metallurgical engineering)]
First 2 years of chemical, civil or mechanical engineering offered.

Language
Honors bachelor of science in language (BSL)

Nursing
Bachelor of science in nursing (BScN) Since 1975, registered nurses are admitted to program and may challenge 3-year university nursing courses.

Physical and health education
Bachelor of physical and health education (BPHE) general and honors program.
Bachelor of physical and health education (health promotion) [BPHE (health promotion)] general and honors program.
Bachelor of physical and health education (adventure leadership) [BPHE (adventure leadership)] general and honors program.
Bachelor of science (kinesiology) [BSc (kinesiology)] general and honors program.

Professional programs

Commerce
Honors bachelor of commerce (BCom)
Honors bachelor of administration of co-operatives (in French) [BCom (administration des coopératives)]
Bachelor of business administration (in French)
Honors bachelor of commerce in sports administration [BCom (sports administration)] Offered jointly by school of commerce and administration and school of human movement.
Master of business administration requires the completion of the equivalent of 11, 6-credit courses.

Science
Bachelor of liberal science [BSc (liberal)] 3-year general program.
Bachelor of science (BSc) general program, 3 years. Specialized program, 4 years.
Master of science (MSc)

Social work
Honors bachelor of social work (BSW)
Honors bachelor of social work (native human services) [BSW (native human services)]

Special programs
Special programs can be arranged to prepare students for entrance to professional faculties elsewhere.

Interdisciplinary programs: Earth science (BA), behavioral neuroscience (BSc), mining geology (BSc), law and justice (BA, certificate program); Canadian studies (BA); bachelor of commerce in sports administration.

Programs are offered in bilingual studies: Certificate of bilingualism awarded to student receiving bachelor's degree on successful completion of written and oral examinations.

Continuing education
Centre for continuing education directs summer session and evening spring session on the Sudbury campus and in other Northern Ontario centres. Also offers part-time winter session courses in Sudbury, Elliot Lake, Kirkland Lake, Sturgeon Falls, North Bay, Timmins, Bracebridge and in other areas from time to time.

Full BA program offered. During regular session, part-time and full-time programs are integrated, with some courses offered on campus in the evening. Undergraduate courses in evening spring session in arts, in science and in professional schools. Undergraduate summer session courses in arts and science and professional school subjects for undergraduates proceeding to degree and for teachers who wish to improve professional status. To receive a degree, student must complete at least 5 full Laurentian courses (normally the last 5).

In Laurentian's distance education program, some courses are offered by television, some are correspondence courses, some have audio cassettes and some are offered by teleconference. Teleconferencing brings together students at several sites at the same time using regular telephone lines.

Complete degree programs are available in several areas and over 90 courses are offered in English and French. New courses are added regularly and students may begin in April, September or January. For further information, contact the co-ordinator of distance education, centre for continuing education and part-time studies, (705) 675-1151, ext. 3930.

Admission Requirements

Undergraduate
Ontario: Certificates equivalent to Ontario honor graduation diploma (Grade 13) or Ontario academic courses with 3 subjects (6 credits) and minimum average of 60%. Subject to certain conditions, year 5 or Grade 13 students may take university courses concurrently with secondary school program but credit will not be granted until student has completed normal basis for admission. A limited number of exceptional Grade 12 students will be admitted. Such candidates must maintain an "A"

average throughout secondary school, submit a personal biography and a positive recommendation from their guidance counsellor and/or principal and be interviewed.

Ontario students who complete 3-year college of applied arts and technology program with at least an overall average of 66% are admissible with possible advanced standing in maximum of 5 courses.

Other provinces: British Columbia, Alberta, Saskatchewan and Manitoba applicants require Grade 12. Quebec students who have completed 2-year CEGEP or 2-year collegial program are admissible with possible advanced standing. Nova Scotia, New Brunswick and Prince Edward Island applicants require Grade 12. Newfoundland applicants require first year at Memorial University or Grade 12.

Mature students

Candidates 21 years of age or over by December 31 of current year who cannot meet normal admission requirements may be admissible. For details, candidates should write the office of admissions.

Senior citizens

Applicants aged 60 and over are exempt from tuition fees and are subject to admission requirements as per mature students.

Graduate

Honors bachelor's degree or equivalent with at least second-class standing required in appropriate area of study.

International students

Applicants without English or French as a first language must submit a minimum score of 550 on the Test of English as a Foreign Language (TOEFL).

Certificates evaluated for equivalence to normal requirements. Notarized English and French translations of certificates not in English or French are required.

UK, West Indies, East and West Africa, Hong Kong: GCE or University of Hong Kong matriculation certificate with either 4 subjects (at least 3 A-level) or 5 subjects (at least 2 A-level). Scottish leaving certificate acceptable. Other school or high school certificates may be acceptable.

USA: First year standing at accredited college or university with minimum 30 semester hours in appropriate subjects. Applicants with high standing in secondary schools and advanced placement tests may apply to office of admissions for special consideration.

Other: Applicants submitting International Baccalaureate considered for admission.

Academic Year

Winter session: Mid-September to late April Summer session: A 6-week day session from early June to mid-August and an evening spring session from mid-April to early July (12 weeks).

Grading System

The grading scale for all individual courses is: A, 80-100%; B, 70-79%; C, 60-69%; D, 50-59%; F, 0-49% (failure); I, incomplete; W, honorable withdrawal. Unless an incomplete course is completed within a month after the end of the examination period, the course will be graded "F". However, the dean of the faculty concerned may grant an extension of the prescribed period.

Student Life and Services

The students' general association, l'association des étudiants francophones, the association for Laurentian part-time students and the graduate students' association, through their councils and committees, represent the students and are responsible for student functions. The individual colleges and professional schools also have student councils and the residences have residence councils. Students are also represented on the university board of governors, senate, standing committees and departmental committees.

The SGA, AEF, ALPS, and GSA provide a calendar of events and sponsor activities such as drama, publications, political clubs, faculty organizations and service clubs. Sports facilities are available through the division of physical and health education for intercollegiate and intramural programs, recreational clubs, and elective instructional classes. The university bookstore stocks required texts, sports clothing and other articles.

Huntington, Thorneloe and Sudbury colleges have residence accommodation for 400 men and women in single and double rooms. The Laurentian University residence complex includes the University College residence accommodating 250 students, a single-student apartment building accommodating 396 students and a married student high-rise tower with 128 apartments. A special office for off-campus housing, operated in the services office, maintains a listing of various rooms, apartments and homes that are available on a rental basis. Students have access to the list but must make contact on their own behalf.

The Laurentian child and family centre offers day care for children aged 18 months to 5 years, as well as an afterschool program for children aged 6 to 9. Fees are determined by income, subject to government support.

Medical services, under the direction of a physician, are broad in scope and encompass preventive medicine, psychological disturbances and medical care. Full-time students are automatically covered for the benefits of the Accidental and Extended Health Program issued by Blue Cross.

The special needs office has a co-ordinator whose role is to encourage equal access, create awareness and advocate when necessary for disabled students. A Special Needs Committee addresses related issues of concern. The University has installed a number of facilities for disabled students. The office of the coordinator is in Room L334A, and can be reached at ext. 3324. International advisors are available to international

students; undergrads should call extension 1030; graduate students, extension 3204.

The Canada Employment and Immigration Commission, in co-operation with the university, maintains a full-time Canada Employment Centre on campus. The purpose of the centre is to assist graduates and undergraduates to obtain permanent, summer or part-time employment, and to assist employers wishing to recruit at Laurentian.

The staff of the centre for talent development includes a career counsellor, a personal development counsellor and an office manager. The services offered include: Counselling in the areas of career choice, self assessment and job preparation; counselling to assist students in identifying academic goals, in developing particular attributes and skills, and in coping with problems encountered in adjusting to university life and to other circumstances; a collection of resource materials on a wide variety of careers, as well as information and calendars on other universities and opportunities open to students; the peer tutoring program that makes use of the skills of upper year students to assist others who are experiencing academic difficulties; and the peer assistance program that trains a group of students to provide information and support to their fellows.

For all these services contact The Centre for Talent Development, Room G-7, Student Street, Single Student Residence. Telephone: 675-1151, ext. 1041.

Students and faculty are encouraged to visit the Laurentian University museum and arts centre on John Street, which offers new art and museum exhibitions of local, provincial and international art every 4 weeks.

Research Institutes

Centre in Mining and Mineral Exploration Research (CIMMER). Director: D. Trotter, BSc, MEng, PENg

Centre for Research in Human Development (CRHD). Director: T.H. Lewko, MA, PhD

Institut Franco-Ontarien. Director: Donald Dennie, BA, MA, PhD

Institute for Northern Ontario Research and Development (INORD). Director: R.M. Bray, MA, PhD

Research Chair

Chair in Rock Mechanics/Ground Control. P.K. Kaiser, DiplIng, PhD, PEng

Affiliated Colleges

Algoma University College, 1502 Queen Street East, Sault Ste. Marie, Ontario P6A 2G4 Telephone, (705)949-2301. Affiliated with Laurentian University of Sudbury on December 17, 1965. First-year students enroled in September 1967. Algoma presently offers a 3-year BA in 14 disciplines, a 4-year BA in English and psychology, a BSc in computer science, and the bachelor of liberal science degree. It also offers the first 2 years of the honors BCom and BSW degrees and a first-year science program in chemistry, physics and biology. From time to time course offerings are available in law and justice, native studies, astronomy and other areas. Students who successfully complete program requirements at Algoma are awarded degrees by Laurentian University. President: J. Douglas Lawson, BASc, MSc, PhD

Nipissing University College, Box 5002, North Bay, Ontario, P1B 8L7 Telephone, (705) 474-3450. Established as Northeastern University in 1961. In 1965 the university was renamed Nipissing University College and in 1967 affiliated with Laurentian University of Sudbury. Nipissing offers a 3-year bachelor of arts general program for full-time and part-time students in English, environmental geography, geography, history, administrative studies, psychology, social welfare and sociology; a 4-year bachelor of arts specalized program in English, environmental geography, geography, psychology, and combined sociology; and a 4-year bachelor of business administration. Nipissing University College also offers 3 years of the 4-year BA specialized program in history. In addition, Nipissing offers 2 years of the bachelor of commerce and bachelor of social work programs, and the first year of the bachelor of science program. Students in these transfer programs complete 1 or 2 years of the degree at Nipissing then transfer to Laurentian University in Sudbury. It is also possible to transfer to other universities if certain course requirements are met. Nipissing also offers the 1-year bachelor of education program. An undergraduate degree is required for admission to this program. Offers residence accommodation. President: Anthony Blackbourn, BSc(Econ), MA, PhD

University College of Hearst, Hearst, Ontario P0L 1N0 Telephone, (705) 372-1781. Founded 1953. Non-denominational, bilingual and co-educational. Affiliated with the University of Sudbury in 1957 and with Laurentian University in 1963. Degrees awarded by Laurentian University. The Collège Universitaire de Hearst offers in French a complete bachelor of arts program, a complete honors bachelor of arts in business administration, first-year commerce, and first-year social work. Director: Raymond Tremblay, BA, BSc, MA

Constituent College

University College, Ramsey Lake Road, Sudbury, Ontario P3E 2C6 Telephone, (705) 673-6580. Founded 1960. Bilingual, co-educational, and non-denominational. Constituent college within the university faculties of humanities, social sciences and science. Offers residential accommodation.

Federated Universities

Huntington University, Sudbury, Ontario P3E 2C6 Telephone, (705) 675-1151 ext.1051. Co-educational and United Church. Established and federated with Laurentian University of Sudbury, 1960. Offers undergraduate courses in religious studies and music.

Credits transferable to Laurentian University of Sudbury. Offers residence accommodation. Principal: K.G. MacQueen, BA, MA, BD, PhD

Thorneloe University, Sudbury, Ontario P3E 2C6 Telephone, (705) 675-1151 ext. 1052. Co-educational and Anglican. Established 1961 and joined the Laurentian federation in 1963. Offers undergraduate courses in religious studies, classical studies, theatre arts and women's studies. Credits transferable to Laurentian University of Sudbury. Residence accommodation provided. Provost: J.W.K. Sandys-Wausch, BA, MA, DPhil

University of Sudbury, Sudbury, Ontario. See separate entry.

L'Université Laurentienne de Sudbury*

Renseignements généraux

Adresse : Chemin du lac Ramsey, Sudbury, (Ontario) P3E 2C6
Téléphone : (705) 675-1151
Adresse-câble : Université Laurentienne, Sudbury (Ontario)
Telex : 0677569
NetNorth : COMMUN@LAUADMIN
Télécopieur : (705) 673-6519

Recteur par intérim : Charles H. Bélanger, BA, BEd, MA, PhD

Demandes de renseignements : Prière d'adresser la correspondance générale au secrétaire général, Jack M. Porter, BBA, MEd

Directeur des services de liaison: Chris Culliford, BA, DiplAdminPub

Professeurs à temps plein (1989-1990) : 297

Historique et statuts

L'Université Laurentienne a été établie en vertu d'une loi de l'Assemblée législative de l'Ontario, en 1960. La loi provinciale prévoit la fédération des universités ou collèges confessionnels avec l'Université Laurentienne. En 1960, l'Université de Sudbury (catholique), fondée en 1913, et la Huntington University (Église unie), qui a obtenu son incorporation en 1960, se sont fédérées avec l'Université Laurentienne. La Thorneloe University (anglicane) s'est jointe à la fédération en 1963. En vertu des accords de fédération, le pouvoir de décerner des grades détenus par les collèges fédérés est maintenu en suspens, sauf pour la théologie.

Les premiers cours ont été donnés le 19 septembre 1960 et la première collation des grades a eu lieu en 1961.

L'Université Laurentienne est non confessionnelle, bilingue et mixte. Elle est régie par un sénat et un conseil des gouverneurs. Le sénat se compose de 63 membres votants et de 2 membres non votants, le conseil des gouverneurs, de 25 membres votants et de 10 membres non votants.

Bâtiments et terrains

L'université est située sur un campus de 750 acres dans les limites de la ville de Sudbury (dont la population est de 88 117 âmes et la population de la région, de 151 552 âmes) à seulement 7 minutes de trajet du centre de la ville. Le campus principal comprend l'édifice des sciences H.J. Fraser, auquel on vient d'ajouter 2 étages et qui renferme des salles de cours, laboratoires, bureaux, ateliers, 3 auditoriums pouvant être combinés en une seule grande salle, un planétarium et un observatoire, un édifice des salles de cours. L'édifice des arts où se trouvent les bureaux des professeurs, des salles de séminaires et des laboratoires de langue, l'édifice de réception et de restauration, l'édifice Ralph D. Parker ou tour de l'administration. La nouvelle bibliothèque J.N. Desmarais, un bâtiment moderne d'une superficie de 120,000 pieds carrés. Tous ces édifices communiquent entre eux et l'accès de l'un à l'autre est possible sans sortir à l'extérieur.

A l'est et au sud-est du campus principal se trouvent les résidences des collèges et le complexe de logement de l'Université Laurentienne dans lequel, environ 15 000 pieds carrés sont affectés à un centre universitaire destiné aux activités extra-scolaires. Il se trouve également sur le campus un complexe sportif, comprenant le centre d'éducation physique Benjamin F. Avery avec une piscine de 50 m, des terrains de football et de soccer, une piste de course olympique et des courts de tennis. Un mécanisme de levage a été installé dans la piscine, et les douches et toilettes à proximité ont été adaptées aux besoins des personnes handicapées.

En 1987, la Laurentienne se lançait dans une nouvelle phase de développement. L'agrandissement et la rénovation de l'édifice des sciences I sont terminés. L'ouverture officielle de la bibliothèque J.N. Desmarais a eu lieu en juin 1990. Lors de l'entrée en activité du Centre de recherche minière du gouvernement de l'Ontario vers la fin de 1991, l'université aura accès à de nouveaux laboratoires et appareillages d'essai.

Bibliothèques

A l'heure actuelle, la nouvelle bibliothèque J.N. Desmarais contient près d'un million de volumes et plus de 3 000 périodiques, en plus de quelque 17 500 microfilms et 223 000 microfiches. Les usagers ont directement accès aux bases de données Dialogue, BRS et Can/ole ainsi qu'à d'autres bases de données spécialisées. La biliothèque possède en outre des disques compacts ROM dans plusieurs disciplines. Les collèges ont aussi leurs bibliothèques et salles de lecture. Les étudiants handicapés bénéficient sur demande d'une aide particulière.

Collections spéciales: Gardner Northern Collection, Northeastern Ontario Collection

Programmes et grades

Le baccalauréat exige 4 années d'études après la 13e année, à moins d'indication du contraire. La maîtrise exige 1 année au-delà du baccalauréat spécialisé, à moins d'indication du contraire.

Trois crédits représentent d'ordinaire 3 heures de cours par semaine pendant 1 trimestre. Six crédits équivalent habituellement à 3 heures de cours par semaine pendant 2 trimestres ou à 6 heures de cours par semaine pendant 1 trimestre. Parfois on accorde des crédits supplémentaires pour les travaux en laboratoire ou pour un cours particulièrement exigeant.

* Membre ordinaire de l'AUCC

On trouvera des détails sur les programmes au chapitre **Programmes préparant à un grade, un diplôme ou un certificat.**

Arts

Baccalauréat ès arts (BA) programme général, normalement 3 ans après la 13e année. Programme spécialisé, normalement 4 ans après la 13e année.
Droit et justice. Certificat 1 an après la 13e.
Certificats 1 an après la 13e année.
Certificat de compétence en français langue seconde.
Certificat d'études en musique d'église.
Certificat de français, langue principale de communication.
Certificat d'études familiales et sexualité humaine.
Administration publique. Diplôme 1 an après le baccalauréat.
Maîtrise ès arts (MA)

Éducation

Le Collège d'éducation de Sudbury, qui se trouve sur le campus, a été intégré à l'Université Laurentienne le 1er septembre 1974 en tant qu'école des sciences de l'éducation. On y offre des programmes en vue de l'obtention d'un brevet d'enseignement pour les écoles de langue française de l'Ontario.
Baccalauréat ès arts (BA) programme de 3 ans avec concentration en éducation.
Baccalauréat en éducation (BEd) 1 année après le BA. Les diplômés ont droit au BEO. Offert également à la faculté d'éducation du Collège Nipissing de North Bay.

Éducation physique et hygiène

Baccalauréat en éducation physique et santé (BEPS) programme général et spécialisé.
Baccalauréat ès sciences (kinésiologie) programme général et spécialisé.
Baccalauréat en éducation physique et santé (promotion de la santé) [BEPS(promotion de la santé)] programme général et spécialisé.
Baccalauréat en éducation physique et santé (activités physiques de plein air) [BEPS(leadership activités physiques de plein air)] programme général et specialisé.

Génie

Baccalauréat en génie (exploitation minière et métallurgie extractive) (BEng) On offre une première année d'études générales en génie et une deuxième année de spécialisation en génie chimique, génie civil et génie mécanique.

Langues

Baccalauréat spécialisé en sciences des langues (BSL)

Programmes professionnels

Commerce

Baccalauréat spécialisé en commerce (BCom)
Baccalauréat spécialisé en commerce (administration des coopératives) [BCom(administration des coopératives)]
Baccalauréat en administration des affaires (BAA)
Baccalauréat spécialisé en commerce, administration des sports [BCom(administration des sports)] Offert conjointement par l'école de commerce et d'administration et l'école de l'activité humaine.
Maîtrise en administration des affaires (MBA). Un programme équivalant à 11 cours complets.

Sciences

Baccalauréat ès sciences libérales [BSc (libérales)] programme général de 3 ans.
Baccalauréat ès sciences (BSc) programme général de 3 ans. Programme spécialisé de 4 ans.
Maîtrise ès sciences (MSc)
Certificats 1 an après la 13e année.

Sciences infirmières

Baccalauréat en sciences infirmières (BScInf) Depuis 1975, les infirmières diplômées sont admises au programme et peuvent se présenter à des examens d'équivalence pour le cours de 3e année en sciences infirmières.

Service social

Baccalauréat spécialisé en service social (BSSoc)

Programmes spéciaux

Des programmes spéciaux peuvent être établis pour préparer les étudiants à l'admission aux écoles d'enseignement professionnel ailleurs.

Programmes interdisciplinaires: neuroscience du comportement (BSc); sciences de la terre (BA); géologie minière (BSc); droit et justice (BA, programme en vue du certificat): études canadiennes (BA); baccalauréat en commerce, (BCom) administration des sports.

Études bilingues: un certificat de bilinguisme est accordé à l'étudiant qui se voit décerner un baccalauréat, pourvu qu'il ait subi avec succès des examens oraux et des examens écrits.

Éducation permanente

Le centre d'éducation permanente organise des cours d'été et des cours du soir en session de printemps sur le campus de Sudbury et dans certains autres centres du Nord de l'Ontario. Il offre en outre des cours d'hiver à temps partiel à Sudbury, Elliot Lake, Kirkland Lake, Sturgeon Falls, North Bay, Timmins, Bracebridge, et ailleurs à l'occasion.

Programme complet du baccalauréat ès arts. Durant la session régulière, des programmes à temps partiel sont combinés avec certains cours offerts sur le campus le soir. Cours au niveau du baccalauréat en session de printemps, le soir, en arts, sciences et dans les écoles professionnelles. Cours d'été au niveau du baccalauréat en arts et sciences et dans les matières des écoles professionnelles, à l'intention des candidats au baccalauréat et des enseignants qui désirent améliorer leur situation professionnelle. Pour obtenir un grade, l'étudiant doit suivre au moins 5 cours au complet de l'Université Laurentienne (normalement les 5 derniers). Les cours de formation à distance sont ceux où les étudiants et leur professeur ne se trouvent pas au même endroit. Certains cours sont offerts à la télévision et d'autres par correspondance; certains comportent des audiocassettes et d'autres sont offerts par téléconférence.

Le système de téléconférence nous permet de communiquer en même temps avec des étudiants isolés dans plusieurs endroits, en ayant recours aux lignes téléphoniques ordinaires.

Nous offrons des programmes complets conduisant à un diplôme dans divers domaines, et plus de 90 cours en français et en anglais. De nouveaux cours sont ajoutés régulièrement et les étudiants peuvent commencer leur cours en avril, septembre ou janvier. Pour de plus amples renseignements, s'adresser à la coordonnatrice de la formation à distance du centre d'éducation permanente et d'études à temps partiel.

Conditions d'admission

Baccalauréat

Ontario: Certificat équivalant au diplôme de fin d'études spécialisées de l'Ontario (13^{e} année) ou aux cours préuniversitaires de l'Ontario (CPO) avec 3 matières (6 crédits) et une moyenne de 60 %. Sous réserve de certaines conditions, les étudiants de la dernière année d'un cours de 5 ans ou les étudiants de la 13^{e} année peuvent suivre des cours de l'université en même temps que leurs études secondaires mais des crédits ne leur seront accordés qu'une fois qu'ils auront satisfait aux conditions normales d'admission à l'université.

On admettra un nombre limité d'élèves de la 12^{e} année classés comme exceptionnels. Ces candidats doivent avoir conservé une moyenne de "A" tout au long de leurs études secondaires, présenter une biographie personnelle et une recommandation positive de leur orienteur et ou du directeur de leur école et, enfin, se soumettre à une entrevue.

Les étudiants de l'Ontario qui ont terminé un cours de 13 ans dans un collège d'arts appliqués et de technologie et qui ont conservé une moyenne générale d'au moins 66 % sont admissibles, parfois à un niveau plus avancé, dans au plus 5 cours.

Autres provinces : Les candidats de la Colombie-Britannique, de l'Alberta, de la Saskatchewan et du Manitoba doivent avoir terminé la 12^{e} année. Les étudiants du Québec qui ont terminé un cours de 2 ans au cegep ou dans un collège sont admissibles parfois à un niveau plus avancé. Les candidats de la Nouvelle-Écosse, du Nouveau-Brunswick et de l'Ile-du-Prince-Édouard doivent avoir terminé la 12^{e} année. Les candidats de Terre-Neuve doivent avoir terminé la première année à l'université de leur province ou la 12^{e} année.

Étudiants adultes

Les candidats âgés de 21 ans ou plus au 1er octobre de l'année courante qui ne peuvent satisfaire aux conditions normales d'admission peuvent être reçus. Pour obtenir des détails, les candidats doivent écrire au bureau des admissions.

Étudiants du troisième âge

Les candidats de 60 ans et plus ne paient pas de frais de scolarité, mais doivent satisfaire aux mêmes conditions d'admission que les étudiants adultes.

Grades supérieurs

Un baccalauréat spécialisé ou l'équivalent et une cote minimale de deuxième classe "B" dans le domaine d'études approprié.

Étudiants étrangers

Certificats jugés équivalents à ceux qui sont normalement exigés. Il faut produire des traductions authentiquées en anglais ou en français des certificats qui ne sont pas établis dans une de ces deux langues.

Les candidats qui ne possèdent ni le français ni l'anglais comme langue première doivent subir l'épreuve d'anglais comme langue étrangère (TOEFL) et obtenir une note d'au moins 550.

É.-U. : Avoir terminé les cours de première année d'une université ou d'un collège reconnus et compter au moins 30 heures-semestre dans les matières appropriées. Les candidats ayant conservé des notes élevées à l'école secondaire et subi les épreuves avancées de placement peuvent s'adresser au bureau des admissions pour solliciter un traitement spécial.

Royaume-Uni, Indes occidentales, Afrique (est et ouest), Hong Kong : Le certificat d'études générales ou le certificat d'immatriçulation de l'Université de Hong Kong avec 4 matières (au moins 3 de niveau A) ou 5 matières (au moins 2 de niveau A). Le certificat de fin d'études de l'Ecosse est accepté; les certificats d'écoles secondaires ou d'autres écoles peuvent également être acceptés.

Autres : Les candidats qui détiennent un baccalauréat international peuvent être admis.

Année universitaire

Session d'hiver : de la mi-septembre à la fin d'avril.

Session d'été : une session de jour de 6 semaines, du début de juillet à la mi-août et une session de printemps du soir, de la mi-avril à la mi-juillet (12 semaines).

Système de notation

L'éventail des cotes pour tous les cours est le suivant: A, 80-100 %; B, 70-79 %; C, 60-69 %; D, 50-59 %; F, 0-49 % (échec); I, incomplet; W, retrait pour un motif valable. A moins qu'un cours incomplet ne soit terminé un mois après la fin de la période des examens, le cours sera coté "F". Le doyen de la faculté en cause peut, cependant, accorder un sursis.

Vie étudiante et services aux étudiants

L'association générale des étudiants, l'association des étudiants francophones, l'association des étudiants à temps partiel et l'association des étudiants de 2^{e} cycle de l'Université Laurentienne, par l'intermédiaire de leurs comités et conseils, représentent les étudiants et assument la responsabilité des activités étudiantes. Chacun des collèges et chacune des écoles professionnelles a aussi un conseil d'étudiants et les résidences ont des conseils de résidence. Les étudiants sont également représentés au conseil des gouverneurs, au sénat, aux comités permanents et aux comités de département de l'université.

L'association générale des étudiants, l'association des étudiants francophones, l'association des étudiants à temps partiel et l'association des étudiants de 2e cycle de l'Université Laurentienne établissent un annuaire des événements et parrainent les activités, par exemple dans les domaines du théâtre, des publications, des clubs politiques, des organisations de faculté et des clubs sociaux. Des installations sont disponibles pour les activités sportives par l'entremise de la division de l'éducation physique et de l'hygiène, aux fins de programmes intercollégiaux et intra-muros, de clubs récréatifs et de cours facultatifs. La librairie de l'université vend les textes requis, des vêtements de sport ainsi que d'autres articles.

Les collèges de Huntington, de Thorneloe et de Sudbury ont des résidences qui peuvent loger 400 hommes et femmes dans des chambres à 1 lit ou à 2 lits. Le complexe de logement de l'Université Laurentienne comprend la résidence du collège universitaire pouvant loger 250 étudiants, un édifice d'appartements pour étudiants seuls pouvant loger 396 étudiants et une tour de 128 appartements pour étudiants mariés. Le bureau des services exploite un service spécial de logement hors campus et tient à jour une liste des chambres, appartements et maisons à louer. Les étudiants ont accès à la liste mais doivent faire les démarches eux-mêmes.

Le centre familial Laurentien reçoit les enfants de 18 mois à 5 ans. Il offre aussi un programme après les heures d'école pour les 6 à 9 ans. Les frais sont fixés d'après le revenu et sous réserve de l'aide du gouvernement.

Des services médicaux variés, sous la direction d'un médecin, englobent les secteurs de la médecine préventive, des troubles psychologiques et des soins médicaux. Les étudiants à plein temps sont automatiquement protégés en vertu du régime d'assurance accident et maladie de la Croix bleue.

Au bureau des besoins spéciaux, un coordonnateur se charge d'encourager l'égalité d'accès pour les étudiants handicapés, de sensibiliser la collectivité aux besoins de ces derniers et de défendre leurs intérêts si nécessaire. Un comité des besoins spéciaux s'occupe des problèmes qui se présentent. L'université a aménagé des installations pour les étudiants qui souffrent de handicap physique.

Des conseillers spécialisés sont à la disposition des étudiants étrangers. La Commission de l'emploi et de l'immigration du Canada, en collaboration avec l'université, maintient un Centre d'emploi du Canada à plein temps sur le campus. Ce centre a pour but d'aider les diplômés et les étudiants à se trouver un emploi permanent, un emploi d'été ou un emploi à temps partiel, et de faciliter le travail aux employeurs qui désirent recruter du personnel à l'Université Laurentienne.

Le personnel du centre de développement des talents se compose d'un conseiller d'orientation professionnelle, d'un conseiller en formation personnelle et d'un chef de bureau. Voici quelques-uns des services offerts : counselling touchant le choix d'une carrière, autoévaluation et préparation au travail; counselling individuel afin d'aider les étudiants à préciser leurs objectifs scolaires, à développer certaines aptitudes et techniques, à s'adapter à la vie universitaire et à résoudre d'autres difficultés; une collection d'ouvrages de référence au sujet d'une grande diversité de carrières, des annuaires des autres universités ainsi que des données sur celles-ci et les possibilités offertes aux étudiants; le programme de leçons particulières qui a recours aux connaissances des étudiants des années supérieures pour aider ceux qui éprouvent des difficultés dans leurs études; et le programme de conseillers étudiants, formation qui permet aux étudiants participants d'offrir renseignements et appui à leurs compagnons d'études.

Pour bénéficier de n'importe lequel de ces services, s'adresser au Centre de développement des talents.

Les étudiants et les professeurs sont encouragés à visiter le Musée et Centre des arts de l'Université Laurentienne, où sont exposées des oeuvres d'artistes de la région, de la province et de partout dans le monde. Le musée présente une nouvelle exposition toutes les 4 semaines.

Centres de recherche

Centre de recherche en exploitation minière et exploration minérale. Directeur : D. Trotter, BSc, MEng, PEng

Centre de recherche en développement humain. Directeur : J.H. Lewko, MA, PhD

Institut Franco-Ontarien. Directeur : Donald Dennie, BA, MA, PhD

Institut nord-ontarien de recherche et de développement (INORD). Directeur : R.M. Bray, MA, PhD

Chaire de recherche

Chaire de mécanique des roches et contrôle des terrains. Cette nouvelle chaire a été créée pour aider l'industrie minière à surmonter le problème des coups de charge. P.K. Kaiser, DiplIng, PhD, PEng

Collèges affiliés

Algoma University College, 1502, rue Queen Est, Sault-Ste-Marie (Ontario) P6A 2G4 Téléphone (705) 949-2301. Affilié à l'Université Laurentienne de Sudbury le 17 décembre 1965. Étudiants de première année inscrits en septembre 1967. Le Collège offre présentement un programme de baccalauréat ès arts de 3 ans dans 14 disciplines, un programme de 4 ans conduisant au BA en anglais et en psychologie, un BSc en informatique et le baccalauréat en sciences libérales. Il offre également les 2 premières années des programmes de baccalauréat spécialisé en commerce et en service social, ainsi qu'un programme de sciences de première année en chimie, physique et biologie. De temps à autre, les étudiants peuvent prendre des cours en droit et justice, études amérindiennes, astronomie et dans d'autres disciplines. Les sujets préparent à un baccalauréat ès arts accordé

par l'Université Laurentienne. Directeur : J. Douglas Lawson, BASc, MSc, PhD

Collège universitaire de Hearst, Hearst (Ontario) P0L 1N0 Téléphone (705) 362-4841. Fondé en 1953. Non-confessionnel, bilingue et mixte. Affilié à l'Université de Sudbury en 1957 et à l'Université Laurentienne en 1963. Le Collège offre un programme conduisant au baccalauréat décerné par l'Université Laurentienne. Le Collège universitaire de Hearst offre en français un programme complet de baccalauréat ès arts, un programme complet de baccalauréat spécialisé en administration des affaires, la 1re année en commerce, et la première année en service social. Recteur : Raymond Tremblay, BA, BSc, MA

Nipissing University College, C.P. 5002, North Bay (Ontario) P1B 8L7 Téléphone (705)474-3450. Établi sous le nom de Northeastern University en 1961. En 1965, l'université a changé son nom pour Nipissing University College, et en 1967, elle s'est affiliée à l'Université Laurentienne de Sudbury. Le Collège universitaire Nipissing à North Bay offre un programme de baccalauréat ès arts général en anglais de 3 ans à l'intention des étudiants à plein temps et à temps partiel, bien-être social, géographie du milieu, géographie, histoire, gestion de bureau et psychologie; un programme de baccalauréat en administration des affaires; ainsi qu'un programme de baccalauréat ès arts avec spécialisation en anglais, géographie, géographie du milieu, psychologie et un programme de spécialisation combinée en sociologie.

Nipissing offre aussi 3 ans du programme de baccalauréat ès arts avec spécialisation en histoire.

En outre, Nipissing offre 2 ans des programmes de baccalauréat en commerce et de baccalauréat en service social, et la première année du programme de baccalauréat ès sciences. Les étudiants inscrits à ces programmes font 1 ou 2 années d'études à Nipissing, et poursuivent ensuite leur programme à l'Université Laurentienne à Sudbury. Ils peuvent également fréquenter une autre université pourvu qu'ils aient suivis les cours voulus.

Nipissing offre également un programme d'un an conduisant au baccalauréat en éducation. Pour être admis à ces programme, les étudiants doivent posséder un premier grade universitaire. Des résidences sont à la disposition des étudiants. Recteur : Anthony Blackbourn, BSc(Econ), MA, PhD

Collège constituant

Collège universitaire, Chemin du lac Ramsey, Sudbury (Ontario) P3E 2C6 Téléphone (705) 372-1781. Fondé en 1960. Bilingue, mixte et non confessionnel. Collège constituant dans les facultés universitaires des humanités, des sciences sociales et des sciences. Résidences.

Universités fédérées

Huntington University, Sudbury (Ontario) P3E 2C6 Téléphone (705) 675-1151 poste 1051. Mixte. Église unie. Établie et fédérée avec l'Université Laurentienne de Sudbury en 1960. L'université offre des cours en sciences religieuses et musique au niveau du baccalauréat. Les crédits sont reportables à l'Université Laurentienne de Sudbury. Résidences. Principal : K.G. MacQueen, BA, MA, Bd, PhD

Thorneloe University, Sudbury (Ontario) P3E 2C6 Téléphone (705) 675-1151 poste 1052. Mixte et anglicane. Établie en 1961, s'est jointe à la fédération en 1963. L'université offre des cours en sciences religieuses, en arts du spectacle, en études classiques et en études sur la femme au niveau du baccalauréat. Les crédits sont reportables à l'Université Laurentienne de Sudbury. Résidences. Principal : J.W.K. Sandys-Wausch, BA, MA, DPhil

Université de Sudbury, Sudbury (Ontario). Voir chapitre correspondant.

Université Laval*

Renseignements généraux

Adresse : Cité universitaire, Québec (Québec) G1K 7P4
Téléphone : (418) 656-2131
Télex : 05131621
Adresse télégraphique : REGUNLAVAL

Recteur : Michel Gervais, LTh, LPh, DTh

Demandes de renseignements : Prière d'adresser la correspondance d'ordre général au secrétaire général, Jacques Genest, BPéd, LèsL

Renseignements sur les admissions et l'inscription : les demandes doivent être adressées au registraire, Pierre Allard, BA, BPéd, LAdmScol

Agent de liaison au CEGEP : C. Sormany

Professeurs à temps plein (1989-1990) : 1 510

Historique et statuts

L'Université Laval doit sa naissance au Séminaire de Québec, fondé par Mgr de Laval en 1663. Le 8 décembre 1852 Sa Majesté la reine Victoria signait à Londres la charte royale qui octroyait au Séminaire de Québec les droits et privilèges d'université. Ce sont les dirigeants du Séminaire de Québec qui ont assumé la direction et l'administration de l'université depuis les débuts jusqu'à la fin de la Seconde Guerre mondiale. L'Université Laval a délivré ses premiers diplômes en 1854. Le 8 décembre 1970 l'Assemblée nationale du Québec accordait une nouvelle charte à l'Université Laval, charte qui fut promulguée en même temps que les premiers statuts de la nouvelle Université Laval, le 1er septembre 1971.

Selon la nouvelle charte et les nouveaux statuts, le conseil de l'université est l'autorité suprême de cet établissement. A ce titre, il exerce tous les droits et pouvoirs de l'université. Il est composé de 52 membres auxquels s'ajoutent 6 personnes qui ont voix consultative et qui ont le droit de faire des propositions mais non celui de voter. Le conseil de l'université est présidé par le recteur qui est la première autorité à l'université et qui a la responsabilité générale de la marche et du progrès de l'université.

Le conseil exécutif exerce tous les pouvoirs de l'université, à l'exception de ceux que la charte ou les statuts attribuent exclusivement au conseil de l'université, à un organisme ou à un administrateur de l'université et des pouvoirs que le conseil de l'université, par simple résolution, se réserve ou réserve à d'autres organismes ou administrateurs. Le conseil exécutif a pour tâche principale de régler au jour le jour les problèmes que présente l'administration de l'université.

Le conseil exécutif est formé du recteur, des vice-recteurs, du secrétaire général et de 4 membres nommés par le conseil de l'université.

L'Université Laval est un établissement d'enseignement mixte et non confessionnel.

Mandat international

L'université tient à ce que ses activités de collaboration internationale accomplissent ses 3 grandes missions: l'enseignement, la recherche et le service à la collectivité. Elle s'est engagée dans des projets de développement principalement dans les secteurs de la formation et de l'éducation, et de la santé, et accueille un nombre grandissant d'étudiants étrangers de tous les continents. Le Centre de ressources universitaires en développement international (CRUDI), animé par des étudiants, informe et sensibilise la communauté québécoise en regard des problèmes actuels du Tiers Monde. S'adresser à : M. Jacques Parent, adjoint au vice-recteur à la recherche. Téléphone : (418) 656-3917.

Terrains et bâtiments

Le campus principal de l'Université Laval est situé dans les territoires des villes de Sillery et de Sainte-Foy à l'ouest de la ville de Québec, capitale de la province de Québec. La cité universitaire couvre une superficie de 465 acres; y sont situés, en particulier, 14 pavillons d'enseignement, une bibliothèque générale, 4 résidences d'étudiants, 1 pavillon de l'éducation physique et des sports.

L'Université possède aussi des propriétés à l'extérieur de la cité universitaire; à Saint-Augustin de Portneuf et à Saint-Louis-de-Pintendre, des stations agronomiques; à Saint-David-de-l'Auberivière, une ferme; dans le parc des Laurentides, un pavillon pour l'enseignement et la recherche en sciences forestières; à Saint-Elzéar-de-Beauce, un laboratoire d'astrophysique et à Mont Mégantic (en collaboration avec l'Université de Montréal), un observatoire d'astronomie.

Bibliothèques

Le réseau des bibliothèques de l'université possède plus de 1 723 632 livres, comprenant les publications gouvernementales; 39 598 périodiques; 826 908 microtextes; 110 957 cartes géographiques; 4 425 cartes anciennes sur papier et 1 606 sur microfiche; 2 696 atlas et 191 898 photos aériennes; 7 489 films; 190 521 diapositives; 12 539 disques; 396 ensembles multi-médias et une importante collection de thèses. Les services spécialisés de la bibliothèque de l'université sont l'audiovidéothèque, la cartothèque et la cinémathèque.

Programmes et grades

L'Université Laval reconnaît 3 types de baccalauréat : (1) le baccalauréat spécialisé, dont la plupart des cours portent essentiellement sur une même discipline ou un même champ d'études; (2) le baccalauréat avec majeure, comprenant un programme de cours de 60 crédits comme composante majeure et une mineure ou un bloc complémentaire de 30 crédits; (3) le baccalauréat

* Membre ordinaire de l'AUCC

général qui peut être structuré de 3 façons : a) 3 programmes de mineures correspondant à 3 disciplines ou champs d'études; b) 2 programmes de mineures dans des disciplines ou champs d'études différents plus un bloc complémentaire composé à son tour de 2 autres disciplines ou champs d'études; c) d'un ensemble de cours puisés dans plusieurs disciplines ou champs d'études, structuré conformément aux règles prévues à cette fin et répondant aux objectifs des études du 1er cycle et à ceux de l'étudiant. Les études de maîtrise se poursuivent durant 3 à 4 trimestres et comportent 45 à 60 crédits; tandis que celles menant au doctorat ont une durée de 6 à 8 trimestres et comportent 90 à 120 crédits. L'obtention du baccalauréat requiert la réussite de 90 à 155 crédits (selon le programme).

Systèmes de crédits

A l'Université Laval, le crédit est une unité qui permet d'attribuer une valeur numérique à la charge de travail exigée d'un étudiant pour atteindre les objectifs d'un cours.

Selon le règlement du 1er cycle et le règlement des 2e et 3e cycles, le crédit représente 45 heures consacrées par l'étudiant à la présence à un cours et au travail personnel que ce cours exige selon l'estimation de l'université.

Comme la durée d'un trimestre est de 15 semaines, 1 crédit représente aussi 3 heures par semaine comprises dans un trimestre, consacrées à suivre un cours et à en étudier la matière.

On trouvera des détails sur les programmes au chapitre **Programmes préparant à un grade, à un diplôme ou à un certificat.**

Activité physique
Baccalauréat ès sciences (BSc)
Maîtrise ès sciences (MSc)
Philosophiae doctor (PhD)

Actuariat
Baccalauréat ès sciences (BSc)

Administration
Baccalauréat en administration des affaires (BAA)
Maîtrise en administration des affaires (MBA)
Philosophiae doctor (PhD)

Architecture, aménagement du territoire
Baccalauréat en architecture (BArch)
Maîtrise en architecture (MArch)
Maîtrise en aménagement du territoire et développement régional (M ATDR)

Arts
Baccalauréat en arts visuels (BAV)
Baccalauréat ès arts (BA)
Maîtrise ès arts (MA)
Philosophiae doctor (PhD)

Droit
Baccalauréat en droit (LLB)
Maîtrise en droit (LLM)
Doctorat en droit (LLD)

Éducation
Baccalauréat en éducation (BEd)
Maîtrise ès arts (MA)
Philosophiae doctor (PhD)

Éducation physique
Baccalauréat en éducation physique (BSc)

Enseignement
Baccalauréat ès arts (BA)
Baccalauréat ès sciences (BSc)
Maîtrise ès arts (MA)
Philosophiae doctor (PhD)

Études anciennes
Baccalauréat ès arts (BA)
Maîtrise ès arts (MA)
Philosophiae doctor (PhD)

Lettres
Baccalauréat ès arts (BA)
Maîtrise ès arts (MA)
Philosophiae doctor (PhD)

Musique
Baccalauréat ès arts (BA)
Baccalauréat en musique (BMus)
Maîtrise en musique (MMus)
Doctorat en musique (DMus)

Sciences et génie
Baccalauréat ès sciences (BSc)
Baccalauréat ès sciences appliquées (BScA)
Maîtrise ès sciences (MSc)
Philosophiae doctor (PhD)

Sciences de l'agriculture et de l'alimentation
Baccalauréat ès sciences appliquées (BScA)
Maîtrise ès sciences (MSc)
Philosophiae doctor (PhD)

Sciences forestières et géodésiques
Baccalauréat ès sciences appliquées (BScA)
Maîtrise ès sciences (MSc)
Philosophiae doctor (PhD)

Sciences humaines et sociales
Baccalauréat ès arts (BA)
Baccalauréat en service social (BServSoc)
Baccalauréat en théologie (BTh)
Maîtrise ès arts (MA)
Maîtrise en psychologie (MPs)
Maîtrise en service social (MServSoc)
Maîtrise en théologie (MA)
Philosophiae doctor (PhD)

Sciences de la santé
Baccalauréat ès sciences (BSc)
Doctorat en médecine (MD)
Baccalauréat en pharmacie (BPharm)
Maîtrise ès sciences (MSc)
Doctorat en médecine dentaire (DMD)
Philosophiae doctor (PhD)

Diplômes et certificats

Au niveau du 1er cycle, l'université délivre (sauf exception) un diplôme à l'étudiant qui suit avec succès un programme de majeure, programme à composante unique de 60 crédits. Elle délivre (sauf exception) un certificat à l'étudiant qui termine avec succès un programme de mineure, programme à composante unique de 30 crédits. Au niveau du 2e cycle, l'université offre des programmes de diplôme de 2e cycle en didactique, en génie industriel, en muséologie, en théologie, en psychopédagogie, en santé au travail, en pharmacie d'hôpital, en sciences infirmières, en administration, en développement rural intégré et en droit notarial. Les programmes comportent 30 à 45 crédits et sont d'une durée de 2 à 3 trimestres.

Programmes spéciaux

L'université offre quelques programmes cooperatifs dont le baccalauréat en génie minier et celui en génie des matérieux et de la métallurgie. Au niveau des 2e et 3e cycles, certains programmes de cours et surtout de recherche sont interdisciplinaires.

Durant l'été, l'université offre un programme spécial de français pour non-francophones. Les cours sont de 3 niveaux: élémentaire, intermédiaire, supérieur. Le même programme est offert au trimestre d'automne et au trimestre d'hiver.

Programme d'échanges d'étudiants

C'est ainsi qu'on appelle les programmes d'échanges d'étudiants que les universités du Québec ont établis avec plusieurs universités américaines et européennes (en France notamment et en Suisse) dans le cadre de la Conférence des recteurs et des principaux des universités du Québec (CREPUQ).

A l'instar des autres universités québécoises, l'Université Laval participe activement à ces échanges depuis plusieurs années. Les protocoles d'entente visent à encourager les relations entre peuples et cultures de pays différents. Ils ont ceci de particulier : ils permettent aux étudiants de faire une partie de leur scolarité dans un établissement d'accueil à l'étranger tout en demeurant inscrits à leur université d'attache, continuant le cas échéant, de recevoir l'aide financière à laquelle leur statut d'étudiant leur donne droit. Les protocoles d'entente prévoient également les conditions et les modalités de participation que chaque étudiant doit remplir.

Éducation permanente

L'université offre aux adultes des voies et des moyens visant à faciliter l'accès à l'enseignement universitaire.

Enseignement télévisé

L'Université Laval met à la disposition des personnes qui ne sont pas en mesure de fréquenter son campus de Sainte-Foy un enseignement à distance sous forme de cours télévisés. Les cours de l'enseignement télévisé sont les mêmes que ceux offerts aux étudiants réguliers et contribuent aux programmes de formation de l'Université Laval. Ils sont sous la responsabilité des facultés et écoles. Ils sont diffusés sur les ondes de la chaîne de télé-enseignement et de Radio-Québec.

L'encadrement est assuré par les professeurs de l'Université. Leurs relations avec les étudiants se font, notamment, par voies téléphonique et postale que complètent, le cas échéant, des rencontres de groupe régionales. Les cours télévisés de l'Université Laval sont administrés par le bureau de l'Enseignement télévisé de la Diregtion générale des programmes de premier cycle.

Enseignement hors campus

Le secteur Laval hors campus vise à intensifier les efforts de l'université pour prolonger son enseignement et ses services en région, contribuant ainsi à la scolarisation optimale de la population et au développement de son milieu. En conformité avec les objectifs de l'université, Laval hors campus tente de répondre aux besoins précis de la population par la transmission de connaissances théoriques, pratiques ou professionnelles.

L'enseignement en région offre toutes les garanties d'un enseignement de qualité. Ainsi, les cours et les programmes sont sous la responsabilité des facultés ou écoles et sont offerts selon un horaire qui tient compte des besoins des étudiants, tout en répondant aux mêmes objectifs et aux mêmes exigences que ceux donnés sur le campus. Les étudiants sont soumis aux mêmes règlements des études et reçoivent les mêmes attestations et diplômes que les étudiants du campus.

Au cours des cinq dernières années, l'université a ainsi offert et continue d'offrir des cours et des programmes dans plus d'une cinquantaine de localités de la Province de Québec.

Extension de l'enseignement universitaire

Organisées par les facultés et écoles de l'Université Laval, les activités offertes dans le cadre de l'extension de l'enseignement portent sur des matières qui se rattachent à l'une ou l'autre des disciplines enseignées à l'université. Elles ont pour objectifs généraux de répondre aux besoins spécifiques de la population par la transmission de connaissances théoriques, pratiques ou professionnelles et de mettre certains résultats de la recherche universitaire à la portée d'un plus grand nombre de personnes.

Conditions d'admission

1er cycle

Québec: Le diplôme d'études collégiales, un diplôme équivalent ou, pour d'autres candidats, des études et une expérience jugées équivalentes, constituent l'exigence minimale d'admission à tous les programmes de cours de 1er cycle.

En plus de l'exigence générale, certains programmes requièrent des candidats certaines connaissances préalables spécifiques pour assurer la poursuite de ces études. Pour les étudiants des collèges, ces exigences sont formulées par référence aux structures d'accueil établies dans le cadre du comité de liaison enseignement supérieur / enseignement collégial (CLESEC). (Voir la brochure "Renseignements généraux" de l'Université Laval).

Autres provinces : Les candidats canadiens non québécois trouveront les conditions d'admission dans le "Guide de l'admission à l'usage des candidats non québécois" publié par l'université.

2e et 3e cycles

Le baccalauréat, un diplôme équivalent ou des études et une expérience jugées équivalentes par le comité d'admission et de supervision constituent l'exigence générale d'admission à tous les programmes de 2e cycle.

Une maîtrise ou un diplôme équivalent constitue l'exigence générale d'admission à tous les programmes de 3e cycle.

Tous les candidats déclarés admissibles mais dont le français n'est pas la langue maternelle doivent faire la preuve de connaissances suffisantes de cette langue. Le comité d'admission et de supervision peut exiger que le candidat passe un examen écrit et oral avant l'inscription.

Étudiants adultes

Les personnes âgées d'au moins 21 ans qui ont mis un terme à la fréquentation continue du système scolaire pendant au moins 2 années consécutives au moment de la demande d'admission et qui présentent une combinaison de scolarité et d'expérience jugée équivalente au diplôme d'études collégiales, peuvent soumettre leur candidature au bureau du registraire en vue d'une admission à un programme d'enseignement régulier. Ce bureau a le mandat d'aider les candidats adultes à être admis aux études universitaires en analysant leur dossier en regard de leur projet d'études et en évaluant leurs chances de réussite à la lumière de la culture acquise et de l'expérience de travail. En règle générale, compte tenu de leur scolarité, les candidats adultes doivent, avant leur admission définitive, suivre avec succès un certain nombre de cours pour répondre à l'exigence générale et aux exigences particulières d'admission.

Étudiants étrangers

Treize années de scolarité constituent l'exigence minimale d'admission à tous les programmes de cours.

Le candidat doit satisfaire aux exigences particulières du programme désiré. Les 2 dernières années de scolarité du candidat doivent toujours être axées sur les matières le préparant à un éventuel choix de programme à l'Université Laval.

Des examens d'admission sont exigés pour l'admission à certains programmes.

Le candidat étranger doit faire la preuve d'un niveau d'études comparable à celui qui est exigé d'un étudiant québécois pour entreprendre les mêmes études.

R.-U. et Commonwealth : "General Certificate of Education" avec 3 "A-level".

Les matières des 3 "A-level" doivent préparer le candidat à son éventuel choix de programme à l'Université Laval.

Par exemple, pour les programmes en sciences: "A-level" en mathématiques, en physique, en chimie et "O-level" en biologie.

États-Unis : Une année de "college" (freshman) après le cours secondaire. Pour tous les programmes de sciences, le dossier scolaire de l'étudiant est évalué selon les exigences particulières de chaque programme.

France : Pour les programmes de sciences humaines - baccalauréat de l'enseignement secondaire; pour les programmes des sciences - baccalauréat de l'enseignement secondaire plus 1 année d'études en sciences dans une université française.

Les candidats des pays non mentionnés ci-dessus doivent s'adresser au bureau du registraire pour faire analyser leur dossier en regard des exigences d'admission.

Les candidats qui justifient d'un baccalauréat international d'un collège du Monde Uni sont admissibles.

Tout document présenté à l'Université Laval doit être officiel. Par document officiel, on entend une copie ou photocopie certifiée conforme à l'original par une personne autorisée à le faire: juge de paix, notaire, avocat, attaché d'ambassade, etc. Tous les documents officiels adressés doivent être présentés en français ou en anglais.

Toute personne, autre qu'un citoyen canadien ou un résident permanent, désireuse de poursuivre des études au Québec, doit obtenir, avant son arrivée, un certificat d'acceptation délivré par le ministère de l'Immigration et des communautés culturelles du Québec. Ce document est essentiel à l'obtention du permis de séjour pour étudiant (émis par Immigration Canada).

Des documents sont exigés pour l'obtention de ce certificat, dont celui attestant de la solvabilité financière du candidat.

Pour toute information supplémentaire, on est prié de consulter le "Guide de l'admission à l'usage des candidats non québécois". Cette brochure est distribuée par le bureau du registraire.

Demandes et délais

Dates limites de demande d'admission: études de 1er, 2e et 3e cycle et étudiants non francophones (candidats aux programmes réguliers en français, langue seconde); trimestre d'automne, 1er mars; trimestre d'hiver, 1er novembre ; trimestre d'été, 1er avril. Les candidats des universités du Québec et des autres provinces canadiennes, ainsi que les candidats adultes doivent présenter leur demande d'admission avant le 1er mai pour le trimestre d'automne. Pour les trimestres d'hiver et d'été, les dates sont les mêmes que ci-dessus.

Les candidats étrangers (hors du Canada) études de 1er, 2e et 3e cycle : trimestre d'automne, 1er février; trimestre d'hiver, 1er septembre; trimestre d'été, 1er avril.

Année universitaire

Trimestre d'automne : début septembre - fin décembre. Trimestre d'hiver : début janvier - fin avril. Trimestre d'été : début mai - fin août. 1re session : début mai - fin juin (en majorité, cours donnés le soir); 2e session: début juillet - mi-août. La Faculté des sciences de

l'administration offre son enseignement durant toute l'année, soit durant 3 trimestres.

Système de notation

L'étudiant doit satisfaire aux exigences d'une cote moyenne de succès pour tous les cours suivis. L'étudiant doit obtenir au minimum la note D (= 2) pour réussir chacun des cours de son programme. Une moyenne cumulative pondérée égale ou supérieure à 2,5 donne à l'étudiant le droit de poursuivre ses études. La note de cours est exprimée par l'une des lettres suivantes ayant la signification et la valeur numérique indiquées. A excellent = 5; B très bon = 4; C bon = 3; D passable = 2; E insuffisant = 1; F nul = 0; W abandon avec échec = 0.

Vie étudiante et services aux étudiants

A l'Université Laval, les services aux étudiants et aux étudiantes sont regroupés au sein d'un organisme ayant pour nom "La direction générale de la Vie étudiante". Ces services sont au nombre de 6 :

- service des activités socio-culturelles
- service des activités sportives
- service des bourses et de l'aide financière
- service d'orientation et de counselling
- service d'animation religieuse
- service de santé.

La direction générale de la vie étudiante sert également de point d'attache à 3 organismes qui poursuivent les mêmes buts mais dans des domaines d'activités qui leur sont complémentaires :

- le Centre d'emploi du Canada sur le campus (service de placement)
- le bureau d'accueil pour les personnes handicapées
- le bureau d'accueil des étudiants étrangers.

Participation étudiante

La déclaration des droits des étudiants et des étudiantes de l'Université Laval énonce le droit des étudiants "de participer à la vie universitaire de façon à leur permettre d'assumer la responsabilité qu'ils ont de leur formation et ainsi de contribuer, avec les autres membres de la communauté universitaire, au développement de l'université". Plus concrètement, depuis 1983, l'université a une politique de reconnaissance de la participation étudiante. Elle reconnaît la valeur formatrice de la participation étudiante au sein de ses organismes et aux associations étudiantes accréditées. Les organismes au sein desquels la charte et les statuts de l'Université Laval assurent une participation étudiante sont les suivants:

conseil de l'université : 8 étudiants
conseil de l'école des gradués : 4 étudiants
conseil de la vie étudiante : 6 étudiants
commission de l'administration : 3 étudiants
commission de la recherche : 2 étudiants
commission des études : 3 étudiants
conseils des facultés : 6 étudiants
bureaux de direction des écoles : 2 étudiants

De plus, les règlements pédagogiques prévoient la participation des étudiants aux comités de programmes.

Associations étudiantes

L'Université Laval compte quelque 35 000 étudiants et étudiantes inscrits aux 1er, 2e et 3e cycles. Ils sont, pour la plupart, membres de l'une ou l'autre des 110 associations étudiantes de faculté, d'école, de département ou de programme dont l'université reconnaît l'existence officielle.

Les étudiants et les étudiantes de Laval sont représentés par 2 associations générales. La Confédération des associations d'étudiants et d'étudiantes de l'Université Laval (Cadeul) représente les étudiants du 1er cycle, l'Union des gradués inscrits à Laval (Ugil) regroupe les étudiants des 2e et 3e cycles. Les bureaux de la CADEUL et de l'UGIL sont situés à la Maison Marie-Sirois.

Garderie

Il existe à l'université une garderie nommée Centre-Jour.

Ce service fonctionne 10 heures par jour (8 h à 18 h), 5 jours par semaine. C'est une corporation autonome gérée par les parents des enfants. Cette garderie est subventionnée par l'université et le gouvernement du Québec. Elle peut recevoir 85 enfants de 18 mois à 6 ans. Seuls les enfants des étudiants et des employés de l'université peuvent bénéficier de la garderie.

Logement

L'Université Laval met 4 résidences à la disposition de ses étudiants et étudiantes.

Parmi ces 4 résidences, 2 reçoivent les étudiants et les étudiantes; ce sont les pavillons Alphonse-Marie-Parent et Ernest-Lemieux. Les 2 autres résidences comprennent un pavillon pour les étudiants seulement (pavillon H. Biermans-Moraud) et un pavillon pour les étudiantes seulement (pavillon Agathe-Lacerte).

Au total, on compte 1336 chambres à occupation simple pour les étudiants et 962 chambres (933 chambres à occupation simple et 7 chambres à occupation double) pour les étudiantes.

Protecteur universitaire

L'Université Laval a un protecteur universitaire (ombudsman) qui a pour fonction de recevoir les plaintes des membres de la communauté universitaire et de faire enquête sur de telles plaintes lorsqu'il a raison de croire que le plaignant a été lésé par les mécanismes administratifs ou a été l'objet d'injustice de la part d'un membre agissant au nom de l'université.

Centres de recherches multifacultaires

Centre de recherches en aménagement et en développement (CRAD). Directeur : J.-G. Migneron, MA

Centre d'études nordiques (CEN). Directrice : L. Filion, MSc, PhD

Centres de recherches facultaires

Centre d'études sur la langue, les arts et les traditions populaires des francophones en Amérique du Nord (CELAT). Directeur : J. Létourneau, BA, MA, PhD

Centre de recherche en biologie forestière (CRBF). Directeur : M. Lalonde, BScA, MSc, PhD

Centre de recherche en cancérologie (CRC). Directeur : L. Bélanger, DM, MSc, PhD

Centre de recherche en horticulture (CRH). Directeur :

Centre de recherche en littérature québécoise (CRELIQ). Directeur : D. Saint-Jacques, LèsL, PhD

Centre de recherche en sciences et ingénierie des macromolécules (CERSIM). Directeur : R.-E. Prud'homme, BSc, MSc, PhD

Centre de recherche en sciences et technologie du lait (STELA). Directeur : P. Paquin, BSc, MSc, PhD

Centre d'optique, photonique et laser (COPL). Directeur : R.A. Lessard, BSc, DSc

Centre international de recherche en aménagement linguistique (CIRAL). Directeur : Lorne Laforge, LèsL, PhD

Groupe de recherches en économie de l'énergie et des ressources naturelles (GREEN). Directeur : J.T. Bernard, BScSoc, PhD

Groupe interuniversitaire de recherches océanographiques du Québec (GIROQ). Secrétaire général : A. Cardinal, BSc, MSc, PhD

Laboratoire de recherche en endocrinologie moléculaire (LREM). Directeur : F. Labrie, DSc, MD, FRCP(C)

Laboratoire de recherche en neurobiologie (LRN). Directeur : A. Parent, BSc, PhD

Chaires d'enseignement et de recherche

Chaire en assurance. Denis Moffet, L en admin, MSc, L de 3e cycle

Chaire de cardiologie Bertrand-Fradet. André Moisan, MD, MSc, CSPQ, FRCP(C)

Chaire Larue (sur la culture d'expression française).

Chaire pour le développement de la recherche sur la culture d'expression française en Amérique du Nord. J. Hamelin, LèsL, DES

Chaire d'études sur la condition des femmes. M. De Koninck, PhD

Chaire W.H.-Perron en horticulture ornementale. Jacques André Rioux, BScA, MSc, DiplDoctIng

Chaire industrielle en télécommunications optiques. Michel A. Duguay, BSc, MSc, PhD

Chaire de pneumologie de la Fondation J.D.-Bégin. Marc Desmeules, MD, CSPQ, FRCP(C)

Chaire en gériatrie. P. Durand, MD, CMFC, CSPQ, FRCP

Chaire en psychiatrie infantile et juvénile. J.-M. Delage MD, CSPQ, FRCP(C)

The University of Lethbridge*

General Information

Address: 4401 University Drive, Lethbridge, Alberta T1K 3M4
Telephone: (403) 329-2582
Fax: (403)329-2022

President and Vice-chancellor: Howard E. Tennant, BBA, MBA, PhD

Inquiries: Direct general correspondence to the vice-president (academic) (403)329-2202. Prospective students may phone the University Information Centre at (403) 329-2000.

Full-time faculty (1989-90): 292

History and Governance

The University of Lethbridge was established in 1967 within the Universities Act of the province of Alberta. The first students were registered in the 1967 summer session. In the fall of 1967, the university inaugurated undergraduate degree programs in the faculty of arts and science and in the faculty of education. In September 1980 a school of nursing (post RN) was inaugurated. In July 1981 a school of management was established. In 1984, the first graduate student commenced studies for the MEd. In 1985, the school of fine arts was established incorporating the departments of art, dramatic arts and music.

The university is a co-educational, non-denominational, provincial institution. It is controlled by an 18-member board of governors, a 56-member general faculties council and a senate.

International Mandate

The university has participated in programs sponsored by the Canadian International Development Agency in Nigeria and the West Indies, and has several twinning relations with China, England and Japan. It has set 7% of the total undergraduate population as the target for international student enrolment. Contact: Dr. David W. Atkinson, dean of student affairs, faculty of arts and science. Telephone: (403) 329-2419.

Buildings and Grounds

The university campus occupies 457 acres within Lethbridge, a city of 62,000. Focal point of the campus is University Hall, constructed in 1972. It houses the majority of classrooms, and laboratories and is accessible to disabled students. Also located here are the library, faculty and administrative offices, bookstore, cafeteria and dormitory-type student residences.

The physical education building, also constructed in 1972, features a large and small gymnasium, gymnastics and weight rooms and additional office, classroom, laboratory and locker facilities.

In 1981, the university officially opened the University Centre for the Arts housing the departments of art, drama and music. The centre features a 412-seat theatre, as well as 2 smaller theatres, an art gallery and office and classroom space for the departments. Opening of the centre also initiated a music and drama production schedule for students and professional touring groups. The art gallery collection contains over 4,750 objects valued at about $9.1 million.

The Max Bell Regional Aquatic Centre, featuring an Olympic size pool with diving facilities, opened in 1986.

A students' union building was constructed in 1990 providing students' union offices, clubrooms and recreation space, together with retail service outlets, bookstore and university student services.

Additional student housing facilities were also completed in 1990 consisting of 2 apartment buildings (95 suites, 234 beds) and 2 townhouse complexes (52 units).

Eleven service buildings complete the campus housing a day-care centre, biological sciences greenhouse, astronomical observatory and various support services.

The campus is fully accessible to the handicapped, is serviced by the city transit system and has parking facilities for 2,000 vehicles.

Library

The library collections total more than 985,000 books, periodicals, microfilm materials and government documents. An interlibrary loan service is maintained, providing access to information from libraries in Canada, the United States and Europe. There are also microprinting and photocopying facilities. The seating capacity for library study is approximately 450.

Operating out of the library is a media distribution centre which provides audio-visual services consisting of the loan of audio-visual equipment, a listening centre and viewing rooms for audio-visual materials. A collection of media items including a library of 6,000 films, video-tapes and records, is catalogued and housed in the centre. All university classrooms are wired to receive closed-circuit color television.

Programs and Degrees

Bachelor's degrees require 4 years of study (40 courses). A full course carries a weighting of 3.0 and is a unit of study lasting 1 semester of 13 weeks. Full courses usually require 3 lecture hours per week, and many entail additional tutorials or laboratories. Half-courses carry a weighting of 1.5 and are limited to activities courses in physical education and drama and to ensemble courses in music. Double (6.0) and triple (9.0) course-weighting are used occasionally.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

* Ordinary member, AUCC

Arts and science
Bachelor of arts (BA)
Bachelor of science (BSc)
Bachelor of arts and science (BASc)

Education
Bachelor of education (BEd)
Professional diploma in education (DPE) 1 year after BEd.
Combined degrees (51 courses): Bachelor of arts and bachelor of education (BA/BEd); bachelor of science and bachelor of education (BSc/BEd); bachelor of music and bachelor of education (BMus/BEd); bachelor of fine arts and bachelor of education (BFA/BEd)
Master of education (MEd)

Fine arts
Bachelor of fine arts (BFA)

Management
Bachelor of management (BMgt)
Certificate programs in agricultural management, marketing, human resources, finance, business enterprises and self-governing systems of Indian, Inuit and Metis peoples and general management.

Music
Bachelor of music (BMus)

Nursing
Bachelor of nursing (BN) Requires 2 years of study after RN.

Special programs
Native American studies (faculty of arts and science): Program of courses and support services focusing on language, history, culture and development of native communities.

Student-initiated courses: Provision is made for students to initiate courses. Credit courses may be designed which focus on unusual or pertinent topics which otherwise might not be part of the structured curriculum.

Multidisciplinary major: Multidisciplinary majors allow students to concentrate on more than 1 subject area in meeting their degree requirements. There are multidisciplinary majors in Canadian studies, recreational and leisure studies, and urban and regional studies. Students may also create their own multidisciplinary major with appropriate faculty direction. Examples include archeology, environmental studies, physiology and earth sciences.

Applied studies: An alternative learning option in which the student earns credit for learning while employed in a position outside the university. During the employment period students can explore their interests and aptitudes in a particular career, and test, reinforce, and make relevant the theories and principles learned in the classroom.

Continuing education
Evening session: Courses in arts, science, fine arts, nursing and education.

Summer school: Courses in arts, science, fine arts, nursing, education and management.

Admission Requirements

Undergraduate
Alberta: Alberta high school diploma with 4, 30-level subjects including English 30 with a minimum average of 60% and no subject less than 50%; and a fifth subject with a minimum of 50%. The fifth subject may be any combination of Grade 12 courses offered for 5 credits as part of the Alberta high school curriculum provided that they do not duplicate 1 of the disciplines noted above.

Other provinces: Certificates of equivalent standing are required from all other provinces. British Columbia: Grade 12 with appropriate subjects (C+ average) presented for admission. Saskatchewan: Division IV or Grade 12 standing with a 65% average in all group 30-level subjects presented for admission. Manitoba: Grade 12 with completion of the appropriate 300 and 301-level subjects. Ontario: Complete Grade 13 or presentation of Ontario academic credits with an average of 60% on appropriate academic subjects. Quebec: One year of CEGEP with subjects appropriate for university admission (60% minimum average). New Brunswick: Grade 12 with minimum 60% average. Nova Scotia: Grade 12 with an overall average of 60%. Newfoundland: Grade 12 with minimum 60% average with appropriate subjects. PEI: Grade 12 with appropriate academic subjects and minimum 60% average (from 1977).

Mature students
Persons 19 years of age or older at the commencement of the session who do not have the educational credentials required for admission through another admission route may be admitted as mature students. Specific admission requirements are determined during a personal interview arranged by the admissions office.

Senior citizens
Applicants aged 65 and over are exempt from tuition fees and are subject to the same admission requirements as mature students.

International students
There are special admission requirements for international students including a minimum score of 550 on the Test of English as a Foreign Language (TOEFL) for students whose first language is not English. In general, applicants from other countries require qualifications comparable to those of Canadian students. Particular requirements are as follows:

International Baccalaureate: This document indicating appropriate subjects is acceptable for admission to first year. Some advanced credit may be awarded.

General certificate of education: Applicants must have completed a minimum of 5 subjects including English, at least 2 being at the A-level with the remainder at the O-level. Appropriate academic subjects must be presented.

Australia and New Zealand: Applicants with matriculation standing from a recognized university in

Australia or New Zealand are generally admissible to the University of Lethbridge. Applicants must present the leaving certificate or the matriculation certificate.

University of Hong Kong: The University of Hong Kong matriculation examination is considered for the same credit as the general certificate of education. The Chinese University of Hong Kong matriculation certificate is not acceptable for admission.

India and Pakistan: A bachelor's degree in division 1 is the minimum requirement for admission or GCE as above.

United States: Applicants who have graduated from high school in the United States are eligible to apply for admission. Normally such applicants must submit scores in the CEEB scholastic aptitude tests and in 3 achievement tests related to their intended program.

Application Deadlines

Applications for general admission must be received by July 1 of the year in which admission is sought for the fall semester and by November 1 of the preceding year for the spring semester. Application for admission to management and education is July 1. Late applications are generally processed as time permits.

Academic Year

Fall semester: Early September to late December. Spring semester: Early January to late April. Summer session: Early May to mid-August.

Grading System

The university uses a letter and point system of grading as follows: A+ 4, A 4, A- 3.7 (excellent); B+ 3.3, B 3.0, B- 2.7 (superior); C+ 2.3, C 2.0 (satisfactory), C- 1.7; D+ 1.3, D 1.0, D- 0.7 (poor); F 0; CR (credit) no grade points; NC (no credit) no grade points; P (pass) no grade points.

A student may elect to take some courses as credit/non-credit. This alternative is offered to encourage students to expand their academic interests by taking courses outside their field of major interest.

Under the credit/non-credit alternative, either credit (CR) or non-credit (NC) is awarded in place of a letter grade. For satisfactory completion of courses requirements, the designation CR is awarded. If course requirements are not fulfilled, the student is awarded the designation NC. Courses taken as credit/non-credit are not included in computation of the grade point average.

If requested by the student, substitution of CR by a letter grade is permitted until 30 days after grades have been mailed. In such a case, the course is included in the grade point average computation.

A student may enrol in a maximum of 2 credit/non-credit courses per semester, but may not enrol in more than a total of 8 for credit towards a degree.

Students may not enrol in credit/non-credit courses in their major field, nor in required courses in education.

Student Life and Services

The students' union was established by authority of the Alberta Universities Act and all full-time and part-time students are members. The union administers student affairs, both political and social, that affect the welfare of students.

Students sit as full voting members on all governmental and administrative committees and councils within the university. They are also invited to participate in numerous departmental clubs and activities, sports or general interest clubs, and in the publication of the student newspaper.

Residence accommodation is provided for 214 students in suite arrangements for single occupancy, shared occupancy and double/single occupancy. Commencing fall, 1990, there will be apartment accommodation for 234, and townhouse accommodation for 108. Accommodation is available to both men and women. The university also operates an off-campus housing registry.

The university maintains a health services clinic staffed by appropriate personnel and visiting physicians. The university does not assume responsibility for the costs of medical treatment.

A professional counselling staff provides personal and vocational counselling in individual or group settings. Academic advisors are available in faculty and school offices and faculty advisors are appointed in each department.

Student services offers a placement service for students seeking part-time and summer employment. The placement of graduating teachers is handled by the faculty of education.

The international student officer may be contacted through student services at (403) 329-2662.

A regular bus service operates between West Lethbridge and downtown Lethbridge in accordance with a published schedule and includes 2 on-campus stops. Parking facilities are available on the campus. For information contact the controller's office.

The athletics program is co-ordinated by the department of physical education. Students from all segments of the university take part in an intense, highly competitive program which includes 7 women's sports: Judo, swimming, basketball, cross-country, volleyball, track and field and soccer; and 7 men's sports: Basketball, cross-country, soccer, ice-hockey, swimming, judo and track and field. Most athletic teams compete in the Canada West University Athletic Association.

The recreation services program, also administered by the department of physical education, provides opportunities for students, faculty, staff, alumni and their families to participate in a wide variety of recreational activities.

Research Institutes

Education Research, Evaluation and Development Centre. Director: Myrna Greene, PhD

Luther College*

General Information

Address: The University of Regina, Regina, Saskatchewan S4S 0A2
Telephone: (306) 585-5333
Fax: (306) 585-5267

President: Donald G. Lee, MA, PhD

Inquiries and high school liaison: Direct general correspondence to the director of student services, David Boesch, BA, BEd, MEd

Full-time faculty (1989-90): 12

History and Governance

The college was founded in Melville, Saskatchewan in 1913 as Luther Academy. In 1926 the academy moved to Regina and became a junior college in affiliation with the University of Saskatchewan. This affiliation continued until 1971 when the college federated with the university. New buildings were erected on the university campus and a mutually supportive program developed involving the university, Campion College and Luther College. In 1974 Luther College became a federated college of the new University of Regina with emphasis on personalized student-centred education.

Luther College is a co-educational liberal arts college and, while it retains a traditional affiliation with the Lutheran Church, is open to students of all denominations, creeds and backgrounds. It is governed by its own board of regents consisting of not more than 21 members and by the senate of the University of Regina on which the college is represented by its president. Degrees are conferred by the University of Regina. Luther College professors are members of the staff of both the college and the university.

Buildings and Grounds

The college is located on the university campus in Regina, a city with a metropolitan population of 175,000. It houses classrooms, seminar rooms, study areas, a library, music listening and practice rooms, a worship centre, an auditorium, administrative and student offices, a residence and a cafeteria.

Libraries

Luther College library contains 11,000 volumes of standard reference materials and texts relative to courses taught at the college and its holdings are regarded as supplementary to the 1.5 million documents held by the University of Regina library system.

Programs and Degrees

Honors and advanced bachelor's degrees require 4 years (128 credits) from senior matriculation unless otherwise specified. Ordinary bachelor's degrees require 3 years from senior matriculation unless otherwise specified.

A 4-credit course at Luther College normally represents 4 lecture hours per week per semester.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts

Bachelor of arts (BA) ordinary, advanced and honors.
Bachelor of arts in jounalism and communications (BA) 4 years from senior matriculation.
Bachelor of journalism. Two years after previous bachelor's degree.

Fine arts

Bachelor of fine arts (BFA) 4 years from senior matriculation.
Bachelor of arts (BA) ordinary, advanced and honors.
Bachelor of music (BMus) 4 years from senior matriculation.
Bachelor of music education (BMusEd) 4 years from senior matriculation.

Laboratory technology

Bachelor of laboratory technology (BLT) 2 years beyond an RT(general) (registered technology).

Science (pre-professional studies)

Bachelor of arts (BA) 3 years from senior matriculation.
Bachelor of science (BSc) ordinary and honors.
Co-op work/study programs are available in many sciences.

Combined programs

Combined programs in arts and science and administration, dentistry, education, engineering, law, medicine and music enable a student to complete the BA, BSc and professional degree in less time than if the 2 were taken separately.

Special programs

Interdisciplinary: Interdisciplinary programs in French-Canadian studies, Canadian Plains studies and religious studies leading to a BA are available.

Summer Centre for International Languages (SCIL): Six to 8 week immersion studies in many world languages. University credit available.

Continuing education

Evening, intersession and summer school classes are offered in conjunction with the University of Regina.

Admission Requirements

Same as the University of Regina. See separate entry.

Costs (1989-90)

Tuition: For arts and science students for 1 semester, $185 per 4-credit hour class or a total of $740 a semester

* Ordinary member, AUCC. Federated with the University of Regina.

of 4 classes (100% load). Two semesters, $1,480 for a full school year's tuition.

Residence: Room and board per year, $1,625 per semester (private).

Student fees: $48.25 per year (compulsory).

All fees subject to change without notice.

Academic Year

Fall semester: Early September to end of December. Winter semester: January to end of April. Intersession: Early May to late June. Summer session: Early July to mid-August.

Grading System

Same as the University of Regina. See separate entry.

Student Life and Services

Students of the college are members of the Luther College students' association and the University of Regina student union.

Athletic facilities include the physical education centre which houses 2 gymnasia for basketball, volleyball, badminton and floor hockey. The centre also contains a teaching wing, study area, gymnastic area and areas for fencing and judo. Luther College students participate in a full range of intramural and intercollegiate sports under the direction of the athletic department of the University of Regina.

The Luther College residence is co-educational and provides accommodation for 216 students, including those of the university. Complete food services are available to residents in the college cafeteria.

Choral opportunities exist on campus and students may use the university health centre, bookstore, counselling services and the Canada Employment Centre on campus. Regular chapel services are conducted on Wednesdays and Sundays for all students of the college and the university who wish to attend. The college chaplains are available to all its students.

Learning assistance programs, academic counselling, career counselling and vocational assessment services are available to all students.

The University of Manitoba*

General Information

Address: Winnipeg, Manitoba R3T 2N2
Telephone: (204) 474-8880
Telex: 07-587721
Fax: (204) 269-6629
Envoy: ADMIN/UOFM.COMM.SYS

President and Vice-chancellor: Arnold Naimark, MD, BSc(Med), MSc, FRCP(C)

Inquiries: Direct general correspondence to the director of student records, J. Brian Salt

High school liaison officer: Ron McDole, assistant director, admissions

Full-time faculty (1989-90): 1,306

History and Governance

The University of Manitoba was established by act of the provincial legislature in 1877 to confer degrees on students graduating from its founding colleges: St. Boniface College, St. John's College and Manitoba College. The university was the first to be established in Western Canada.

In 1900 the Manitoba legislature amended the University Act so that the university could offer its own teaching and in 1904, the university opened its first teaching facility in downtown Winnipeg. By 1929, following the addition of programs, schools and faculties, the university had moved to its permanent home in the Winnipeg suburb of Fort Garry.

The University of Manitoba is non-denominational and co-educational. Under the University Act of 1968, it is governed by a 23-member board of governors and 132-member senate.

International Mandate

The International Development office facilitates, administers and monitors international academic development programs and research contracts. The university and individual faculty participate in special training programs and other development projects in developing countries, and in exchanges with universities in all parts of the world. The International Centre for Students provides a variety of services to students, and develops and administers public international development education activities. Contact: Prof. W.F.W. Neville, director, international development office. Telephone: (204) 474-9666.

Buildings and Grounds

The Fort Garry campus, located in south Winnipeg, contains 35 buildings which are directly used for teaching. Four of these are the member colleges: St. John's College, St. Paul's College, St. Andrew's College and University College. Additional buildings house special laboratories, administrative and service offices, residences, recreational facilities and non-university research agencies.

A second campus, situated in central Winnipeg, houses the instructional units of the faculty of medicine, the faculty of dentistry, the school of medical rehabilitation and the school of dental hygiene.

Most buildings on the main Fort Garry campus are accessible to physically disabled students. Phones, washrooms, residences and other facilities have been adapted and the administration and other departments are involved in short and long-term projects to make the campus barrier-free.

Libraries

There are 13 libraries in the system: Management, agriculture, architecture and fine arts, dental, D.S. Woods Education Library, Elizabeth Dafoe (humanities, social sciences, nursing, social work), engineering, E.K. Williams Law Library, medical, music, St. John's College library, St. Paul's College library and science. Holdings include: books and bound periodicals 1,500,000; microforms 1,030,000; serial subscriptions 12,400; government publications 460,000; audio-visual materials 21,000; maps 100,000. Computer-based acquisitions, circulation, serials, cataloguing and on-line searching; inter-library loan via envoy and fax. Disabled students may avail themselves of a number of special services, including free computer searches and free photocopying of reserve and reference material when necessary.

Special collections: Icelandic and Slavic Studies.

Programs and Degrees

General bachelor's degrees require 3 years (90 credits) from Manitoba Grade 12 and honors bachelor's degrees 4 years (120 credits) from Manitoba Grade 12 unless otherwise specified. Master's degrees require at least 2 years from general bachelor's degree, at least 1 year from honors bachelor's degree unless otherwise specified. Doctorate degrees require at least 2 years from a master's degree unless otherwise specified.

Three credits normally represent 3 lecture hours per week for 1 term. Six credits is usually equivalent to either 3 lecture hours per week for 2 terms or 6 lecture hours per week for 1 term. Extra credits may occasionally be awarded for labs or particularly demanding courses.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Agriculture

Diploma in agriculture. Two years from Grade 12 or equivalent.

Diploma in dairying. One year. No stated academic requirement for admission. Offered every 2 years when demand sufficient.

Bachelor of science in agriculture (BSA) 4 years from senior matriculation.

* Ordinary member, AUCC

Master of science (MSc) At least 1 year from BSA.
Doctor of philosophy (PhD)
A PhD degree in food and nutritional sciences is offered jointly by the departments of animal science, food science and plant science in agriculture and department of foods and nutrition in human ecology.

Architecture
Bachelor of environmental studies (BES) 3 years from senior matriculation.
Bachelor of interior design (BID) 4 years from senior matriculation or 2 years from BES.
Master of architecture (MArch) 3 years from BES or equivalent.
Master of city planning (MCP) A 2-year program following an approved honors degree or a 3-year program following an approved general degree.
Master of landscape architecture (MLandArch) 3 years from BES.

Arts
Bachelor of arts (BA) general, honors and 4-year major.
Master of arts (MA)
Doctor of philosophy (PhD)

Dentistry
Diploma in dental hygiene. Two years from senior matriculation.
Doctor of dental medicine (DMD) 4 years beyond 2 years in arts or science.
Master of science [MSc(Oral biology)] At least 1 year from DMD.
Master of science [MSc(Dental science)] At least 2 years from DMD.
Doctor of philosophy (PhD)
Diploma in periodontics. At least 2 years from DMD.
Diploma in oral and maxillofacial surgery. At least 3 years from DMD.

Education
Bachelor of education (BEd) 4 years from Grade 12.
Integrated degree with faculty of human ecology (BEd and BHEcol)
After-degree bachelor of education. Two years after first degree.
Bachelor of education (BEd) (Winnipeg Education Centre) 4 years beyond admission as a mature student.
Integrated degree with school of music (BEd/BMus), 5 years from Grade 12. Integrated degree with Red River Community College (BEd)
Post-baccalaureate studies in education
Master of education (MEd) At least 1 year from BEd.
Doctor of philosophy (PhD)

Engineering
Bachelor of science in engineering (BSc) 4 years from Grade 12.
Master of science in engineering (MSc) At least 1 year from BSc.
PhD (engineering)

Fine arts
Diploma in art. Four years. No stated academic requirements for admission.
Bachelor of fine arts (BFA) general and honors.
Bachelor of fine arts in art history. General and honors program.

Human ecology
Bachelor of human ecology. Four years from Grade 12.
Bachelor of human ecology/Bachelor of education (BHEcol./BEd) Integrated program. Five years from Grade 12.
Master of science (MSc) At least 1 year from BHEc.
A PhD degree in food and nutritional sciences is offered jointly by the departments of animal science, food science and plant science in agriculture and department of foods and nutrition in human ecology.

Law
Bachelor of laws (LLB) 3 years, full-time, beyond satisfactory completion of at least 2 years of any university course of studies. Law school admission test must be written.
Master of laws (LLM) 1 year from LLB.

Management
Bachelor of commerce [BComm(Hons)] 3 years after 1 year pre-management program.
Master of business administration (MBA) 2 years after first degree.

Medical rehabilitation
Bachelor of medical rehabilitation (OT) 3 years beyond first year arts or science.
Bachelor of medical rehabilitation (PT) 3 years beyond first year arts or science.
Bachelor of occupational therapy (BOT) 1 year following diploma course.
Bachelor of physical therapy (BPT) 1 year following diploma course.

Medicine
Doctor of medicine (MD) 4 years beyond second year arts or science.
Bachelor of science in medicine [BSc(Med)] Offered during summer months following first and second years of MD program. Designed to provide experience in medical research. Open only to approved undergraduates in faculty of medicine. Normally conferred at same time as MD.
Master of science (MSc) At least 1 year from MD.
Doctor of philosophy (PhD)
Certificate. Issued for satisfactory completion of internship and residency programs.

Music
Associate in music (AMus Western Board)
Licentiate in music (LMus Western Board)
Bachelor of music (BMus) 4 years from Grade 12.
Integrated degree with faculty of education (BMus BEd) 5 years from Grade 12.

Natural resources
Master of natural resources management (MNRM)

Nursing
Bachelor of nursing (BN) 4 years from Grade 12 or 2 years after registered nurse graduation.
Program designed for applicants holding a degree in a field other than nursing.
Master of nursing (MN) 2 years from BN. Courses and a thesis or practicum.

Pharmacy
Bachelor of science in pharmacy [BSc(Pharm)] 3 years following 1 year pre-pharmacy program.
Master of science (MSc) At least 1 year from BSc(Hon).

Physical education
Bachelor of physical education (BPE) 3 years from Grade 12.
Bachelor of recreation studies. Three years after 1 year university study.
Master of science (MSc) 2-year program after BPE.

Science
Bachelor of science (BSc) general, honors and 4-year major.
Computer science (honors) (BComputer ScH)
Master of science (MSc)
Doctor of philosophy (PhD)

Social work
Bachelor of social work (BSW) 3 years following 1 year university study in any faculty.
Bachelor of social work (BSW) (Winnipeg Education Centre) Students admitted to the centre are accepted directly into a 4-year BSW program and do not require prior university study.
Bachelor of social work (BSW) (Thompson) 4 1/2 years. Students do not require prior university study, but must meet Northern residency requirements.
Master of social work (MSW) 1 year full-time after BSW followed by 2 years work experience. Courses plus either thesis or practicum.

Special programs
Special pre-medical studies program: The objective of the program is to help Manitoba students of native ancestry complete the pre-medical university education requirements normally expected of medicine applicants.

TERM: The Teacher Education in Rural Manitoba program provides student teachers with practical work experience in a rural setting.

Continuing programs
Spring and summer courses are offered in most faculties. There are also a variety of correspondence courses, principally in arts and education, which are available through the university.

A Canadian Forces program assists Regular Forces personnel and their dependent families to obtain a university education.

University of Manitoba Access programs (UMAP) are offered in co-operation with the provincial government so that university studies at the degree-level are available for persons who have traditionally not had the opportunity for such experience.

Also, there is a summer language program, a 6-week intensive session, available during July and August. Academic instruction, extra-curricular activities and group contact are offered in French or English. All students are in residence during this program.

Non-degree programs are available within 3 broad areas: Administration and organizational development; professional and technical studies; and humanities and social services. Offerings vary from short workshops and conferences to 4-year (part-time studies) certificate programs.

Admission Requirements

Undergraduate
Manitoba: High school graduation. Students must have 20 credits with 5 at third-year level including 3 subjects at 300 level.

Other provinces and territories: Alberta: Grade 12, minimum overall average of 60% on 5 credits. British Columbia and Yukon Territory: Grade 12, minimum overall average C or better on a minimum of 4 credits. New Brunswick: Grade 12, minimum overall average of 60% on 6 credits. Newfoundland: Grade 12, minimum overall average of 60% on 10 credits. Northwest Territories: Alberta Grade 12, minimum overall average of 60% on 5 credits. Nova Scotia: Grade 12, minimum overall average of 60%. Ontario: Grade 13, minimum overall average of 60% on 6 credits. Prince Edward Island: Grade 12, minimum of 60% in a university entrance program. Quebec: First-year CEGEP with satisfactory standing (normally a GPA of 2.0 or better or 60% or better). Saskatchewan: Grade 12, minimum overall average of 65% on 7 credits.

Mature students
A mature student is one who: a) does not meet the normal entrance requirements; b) is 21 years of age on or before May 1 to be eligible for admission to the summer day session, and on or before September 30 for the regular session; or admitted on the recommendation of the dean; c) is either a resident of the province of Manitoba or is a Canadian citizen or permanent resident; d) is endeavoring to achieve regular student status in order to proceed to meet the requirements for a degree.

Senior citizens
Tuition fees will be waived for students who reach the age of 65 before a session begins, provided they have been duly admitted and are eligible for registration in any degree program or credit course(s).

Graduate
First degree (honors or equivalent) with appropriate standing in area in which student wishes to do graduate work.

International students

Certificates equivalent to standing required for Canadian students. All non-Canadian students whose mother tongue is not English must write the Test of English as a Foreign Language (TOEFL) and attain a score of at least 550.

UK and Commonwealth: GCE with 2 subjects at A-level and 3 at O-level, or 3 at A-level and 1 at O-level.

USA: Senior matriculation (Grade 12), with overall average of C or 60%. CEEB scores required.

Other: Applicants submitting International Baccalaureate will be considered.

Application Deadlines

Last date for receipt of applications in: Medicine, January 4; dentistry, January 4; law, medical rehabilitation and pharmacy, March 1; administrative studies, dental hygiene, education, engineering, environmental studies, fine arts, human ecology/education integrated program, interior design, nursing, physical education and social work, May 1; agriculture, human ecology and science, May 1. Music and arts up until July 3.

Academic Year

Winter session: September to April. Evening session: September to May. Summer day: July to August. Intersession: May and June. Summer evening session: Early May to early August.

Grading System

A+, exceptional; A, excellent; B+, very good; B, good; C+, satisfactory; C, adequate; D, marginal; F, failure; P, pass; S, standing. In a number of faculties and schools, special requirements in respect of averages and standing in professional subjects must be met.

Student Life and Services

All students registered at the university are members of, and pay compulsory fees to, the University of Manitoba students' union. UMSU is currently involved in many programs including academic areas such as research and course evaluations; student service areas such as a used-book store and steno referral service; and programming of concerts, art shows, and the annual, week-long celebration - Festival of Life and Learning. The governing body of the union, the UMSU council is made up of student council representatives elected by students of each faculty.

The graduate students' association represents all students registered in the faculty of graduate studies. The governing body is the GSA council comprised of an executive and representatives from 5 functional areas within the faculty.

The university also has an ombudsman who may be contacted at (204) 474-9983.

The sexual harassment investigation officer exists to handle complaints according to the university's policy and procedures regarding sexual harassment. Confidential advice and assistance is available by calling 474-8555.

Under the auspices of the student union, students organize debating, choral and music groups; a student newspaper and yearbook; a film society; campus radio; and Speakeasy (an open forum held frequently in the student lounge). Innumerable sports activities are offered intramurally or extramurally.

The university provides accommodation for 1,020 students. In addition, St. John's College provides space for 51 men and 46 women, and St. Andrew's College accommodates 50 men and women. The university off-campus housing office maintains listing of accommodation in the Winnipeg area with notes as to accessibility for disabled students.

The university operates a bookstore with 2 outlets: The Fort Garry campus division and the health science campus division.

To support athletic and recreational programs on campus the university makes a wide range of sport facilities available to its students and staff. A physical education centre has an archery range, a gymnastics room, a golf range, track and field facilities, a weight training room, handball and squash courts, and multi-purpose room. Also available are an ice rink, rifle range, a playing field, a swimming pool and a stadium.

The university health services include doctors' offices for the ambulant and an infirmary for bed care. The full-time medical staff includes a general practitioner, a psychiatric consultant, a general surgeon and a nursing staff on duty 24 hours a day during the regular session. The service is available to all students, staff, faculty and their families. Services are insured by each provincial medical plan, CIDA and ADAMAC Insurance Administrators. All international students not covered by a provincial health plan must purchase insurance through the special plan provided by the university.

The International Centre for Students (204) 474-8501 provides services for both Canadian and international students including social and athletic activities, symposia, panel discussions and films.

Counselling services include individual counselling, personal development groups, individual and group instruction in study skills and psychiatric consultation.

A wide range of support services are available to disabled students including counselling, special supplies, keys for key operated lifts and elevators. The university also sponsors a van equipped with a lift for on-campus transportation.

Services for disabled students inquiries may be sent to: Office of the Director of Special Programs, Room 473, University Centre, (204) 474-9251/9620.

The native students office (204) 474-8850 provides individual and group support to students, mainly of native origin, and serves as a resource and social centre for these students.

Throughout the academic year Canada Employment Centre operates student placement service on campus to assist students in obtaining permanent, part-time, or summer employment. Facilities are also provided for employers to conduct interviews during their recruiting

visits. Notices of job opportunities and employer recruitment are posted on bulletin boards in all faculties.

Approximately 3,300 parking spaces are available to students. For information, contact the university parking office.

Research Institutes

Agriculture Canada Research Station. Director: T. Atkinson

Centre for Higher Education Research and Development. Director: Sheryl L. Bond, BA, MA, EdD

Centre for International Business Studies. Director: M. Bowman

Centre for Precambrian Studies. Chair: A.C. Turnock, BSc, MSc, PhD

Centre for Professional and Applied Ethics. Director: W.H. Nielson, BA, MA

Centre for Ukrainian Canadian Studies. Director: N. Aponiuk, BA, MA, PhD

Centre on Aging. Director: Neena L. Chappell, BA, MA, PhD

Delta Waterfowl Research Station. Director: Bruce Batt, BSc, MSc, PhD

Freshwater Institute. Director general: Paul H. Sutherland

Glenlea Research Station. Director: R.J. Parker, BSc, MSA, PhD, DipAgr

Institute for Technological Development. Director: M.C. Chaturvedi, BSc(Met), MMet, PhD, PEng

Jesuit Centre for Faith Development and Values. Director: Fr. D.G. Creamer, BSc, BEd, MDiv., MEd, EdD

Legal Research Institute. Director: A. Esau, BA, LLB, LLM

Manitoba Institute of Cell Biology. Director: A.H. Greenberg, BSc(Med), MD, PhD

Manitoba Nursing Research Institute. Acting director: L.F. Degner, RN, BN, MA, PhD

Medieval and Renaissance Guild. Chair: R.J. Glendinning, BA, MA, DPhil

Natural Resources Institute. Director: W.R. Henson, BA, MS, PhD

Northern Studies Committee. Chair: R.R. Riewe, BS, MS, PhD

Psychological Services Centre. Director: J.R. Schallow, BS, PhD

Road Safety Research Unit (Injury Research Unit). Director: G. William Mulligan, BSc, MSc, MD, FRCSCan

Solomon Sinclair Farm Management Institute. Director: R.M. Josephson, BSA, MSc

Sport Research Institute. Director: A. Martin, BSc, MASc, PhD

Taiga Biological Station. Director: W.O. Pruitt, Jr., BS, MA, PhD

Transport Institute. Chair: O.E. Lang

University Field Station, Delta Marsh. Director: G.G.C. Robinson, BSc, PhD

Wallace Lake Field Stations. Director: G.S. Clark, BSc, MSc, PhD

Affiliated Colleges

Collège universitaire de Saint-Boniface, Winnipeg, Manitoba. Voir chapitre correspondant.

St. Andrew's College, 475 Dysart Road, Winnipeg, Manitoba R3T 2M7 Telephone, (204) 269-3565. Established 1946 and associated with university 1962. Training of the ministry in the Ukrainian Greek Orthodox Church in Canada and in USA. Offers limited number of courses that may be used for credit at the University of Manitoba. Principal: R. Yereniuk, BA, MA, MDiv, Lic, Eccl, Dr, PhD

St. John's College, Winnipeg, Manitoba. See separate entry.

St. Paul's College, Winnipeg, Manitoba. See separate entry.

Approved Teaching Centres

Canadian Mennonite Bible College, 600 Shaftsbury Boulevard, Winnipeg, Manitoba R3P 0M4 Telephone, (204) 888-6781. Established 1947 and recognized as approved teaching centre 1963. Co-educational. Offers own bachelor of theology and sacred music. Authorized to offer certain university courses each year. Residential accommodation for 116 students and 15 families. President: Rev. J. Neufeld.

Canadian Nazarene College, 1301 Lee Boulevard, Winnipeg, Manitoba R3T 2P7 Telephone, (204) 269-2120. Established 1920 and recognized as approved teaching centre 1973. Co-educational. Offers own degree in theology and sacred music, and courses for university credit to a maximum of 10. Residential accommodation for 55 men and 50 women. President: N. Hightower.

Constituent college

University College, 500 Dysart Road, Winnipeg, Manitoba R3T 2M8 Telephone, (204) 474-9751. Co-educational constituent college within university faculties of arts and science. Residential accommodation for 150 men and 100 women with dining facilities for approximately 300 people. Provost: C.A. Nicolaou, BA, PhD

McGill University*

General Information

Address: 845 Sherbrooke Street West,
Montreal, Quebec H3A 2T5
Telephone: (514) 398-4455
Cable: McGill University, Montreal, Quebec
Telex: 05268510
Fax: (514) 398-3594

Principal and Vice-chancellor: D.L. Johnston, AB, LLB, LLD, DD

Inquiries: Direct general correspondence to the registrar, J.P. Schuller, BA

Admissions: Direct general inquiries to Mariela Johansen, telephone: (514) 398-3910

Full-time faculty (1989-90): 1,919

History and Governance

The Honorable James McGill, a prominent citizen of Montreal, died in 1813 and in his will bequeathed land and money to the Royal Institution for the purpose of founding a college or university. A royal charter was granted in 1821 and the University of McGill College opened in 1829 with teaching in the faculty of medicine. In 1843 the faculty of arts was formally organized. The first degree, a medical degree, was awarded in 1833.

McGill is a co-educational and non-denominational institution supported by public and private funds. The university has a 44-member board of governors and a 93-member senate.

International Mandate

McGill International facilitates and co-ordinates the university's international programs, with emphasis on developing countries. Projects promote academic collaboration applied to the solution of problems relating to international development. McGill International negotiates with external funding agencies, maintains overseas institutional linkages, and encourages faculty participation in projects. It also promotes international student enrolment and sponsors seminars and conferences on international development issues. Contact: Dr. Eugene Donefer, director, McGill International. Telephone: (514) 398-4197.

Buildings and Grounds

The main campus, which houses 11 of the university's 12 faculties, is located in the city of Montreal (metropolitan area population 2,828,349). There are approximately 75 buildings on the site including teaching and research facilities, a students' centre, a gymnasium, 2 swimming pools, a winter stadium and a concert hall. There are also co-ed and women's residences.

Macdonald College, an incorporated college of the university, houses the teaching and research facilities of the faculty of agricultural and environmental sciences. It is located in Ste-Anne-de-Bellevue, 32 km west of Montreal and has its own residences, student centre and recreational facilities. Also located on the campus are the Morgan Arboretum, the Lyman Entomological Museum, the McGill Herbarium, the Brace Research Institute and the Institute of Parasitology.

The Gault Estate at Mont-St-Hilaire, a designated biosphere reserve under UNESCO, is used by the university for research and recreational purposes. The property is also protected as a federal bird sanctuary.

The university is involved in an on-going project to make the campus more accessible to disabled students. A map showing entrances and washroom facilities is available from the dean of students' office.

Libraries

The McGill University library system includes 18 libraries grouped by subject into 4 administrative units (area libraries); these are co-ordinated by a central administration. The libraries now contain over 2,477,288 physical volumes, 1,412,808 government documents and 990,099 microtexts. The libraries receive 17,447 serial titles.

The Osler Library of the history of medicine contains some 39,695 physical volumes and 6,235 microtexts and has as its nucleus the 8,000 volumes bequeathed to the university by Sir William Osler.

Some special services are available for disabled students such as telephone renewal of book loans and a reading service. A print-enlarger, brailled variable-speed tape recorder, PC with voice synthesizer and talking calculator are also available. The libraries are all fairly accessible.

Special collections include: Blackader-Lauterman Library of art and architecture
Blacker-Wood Library of biology
Lande Collection of Canadiana
Department of rare books and special collections
Islamic Studies Library
Mossman Collection of the History of Science and of Ideas
Walter Hitschfeld Environmental Earth Sciences Library

Archives: The McGill University Archives preserves and makes available to researchers of all disciplines more than 2,400 m of records of permanent value generated over the past 150 years by members of the McGill University community in the course of their activities. The archives co-ordinates the university's records management program and provides a microfilm service. In addition to the administrative records raised by the university, it holds the papers of many individuals and organizations affiliated with the university or in the Montreal area.

Museums: Lyman Entomological Museum and Research Laboratory

* Ordinary member, AUCC

McCord Museum of Canadian history
Redpath Museum of natural history
Rutherford Collection of experimental physics
Anatomical and Pathological Museums

Programs and Degrees

Bachelor's degrees normally require 3 years of study (90 credits in most faculties) after Quebec CEGEP unless otherwise specified and 4 years (120 credits) after high school (Grade 12). Master's degrees normally require 1 to 2 years of full-time study from bachelor's degrees depending on the discipline and doctorates at least 3 years from bachelor's degrees or 2 years from master's degrees unless otherwise specified. "CEGEP" refers to the provincial Collège d'enseignement général et professionnel (College of general and vocational education).

Most courses and programs are on a credit system. Generally a 3-hour 1-term course carries 3 credits.

The language of instruction at McGill is English. Students may, if they wish, write term papers and examinations in French.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Agricultural and environmental sciences

Bachelor of science in agriculture [BSc(Agr)]
Bachelor of science in agricultural engineering [BSc(AgrEng)]
Bachelor of science in food science [BSc(FSc)]
Diploma in agriculture. Two and a half years after graduation from high school. Mature students also considered. Training in modern agricultural practice.
Master of science (MSc) 2 years from BSc(Agr) or BSc(AgrEng).
Doctor of philosophy (PhD)

Architecture

Bachelor of science (architecture) [BSc(Arch)]
Bachelor of architecture (BArch) 4 years after CEGEP or equivalent or a minimum of 1 year after BSc(Arch).
Graduate diploma in minimum cost housing
Master of architecture (MArch)
Master of urban planning (MUP) See Urban planning below.

Arts

Bachelor of arts (BA)
Graduate diploma in environmental remote sensing. One year from BA or BSc in subject area.
Master of arts (MA)
Doctor of philosophy (PhD)

Computer science

Bachelor of arts (BA) minor program.
Bachelor of arts (BA) faculty program in combination with mathematics.
Bachelor of arts (BA) honors program in combination with mathematics.
Bachelor of science (BSc) honors program.
Bachelor of science in mathematics and computer science (BSc)
Bachelor of science (BSc) faculty program in combination with mathematics.
Bachelor of science (BSc) minor program.
Bachelor of engineering (BEng) minor program.
Master of science (MSc)
Master of science, applied (MScA)
Doctor of philosophy (PhD)

Dentistry

Doctor of dental surgery (DDS) 5 years post-CEGEP or equivalent. Four years after 2 full years in 4-year program leading to the BSc or BA or equivalent.

Dietetics and human nutrition (faculty of agricultural and environmental sciences)

Bachelor of science in nutritional science [BSc(NutrSc)] leads to professional qualifications necessary for dietetics. Also available is a joint program with the faculty of management leading to the BCom with a major in food services administration.

Education

Bachelor of education in elementary and/or secondary school teaching (BEd) Graduates qualify for an interim teaching permit issued by the Quebec Ministry of Education.
Bachelor of education in vocational education (BEd) Full-time and part-time studies. Appropriate trade, business or professional experience required in addition to CEGEP diploma.
McGill diploma in education. One year after university degree, preparing candidates to teach in elementary and/or secondary schools. Graduates qualify for an interim teaching permit issued by the Quebec Ministry of Education.
Bachelor of education (BEd) for certified teachers (elementary), diploma and certificate programs of professional development for teachers (see continuing education programs).
Master of arts in education (MA) Thesis required.
Master of education (MEd) No thesis required.
Doctor of education in counselling (DEd) Minimum 2 years of full-time study plus summer school between the 2 academic years from MEd (counselling) or equivalent degree. Field work and thesis required.
Doctor of philosophy in educational psychology (PhD)

Engineering

Bachelor of engineering (BEng)
Graduate diploma in mining engineering. One year from undergraduate degree followed by 5 months of approved experience in the mining industry.
Graduate diploma in waste management and groundwater contamination. One year from undergraduate degree.
Master of engineering (MEng)
Master of science (MSc)
Master of science, applied (MScA) 2 years after BEng or BSc.
Doctor of philosophy (PhD)

Human communication disorders

Master of science, applied (MScA)
Master of science (MSc) research program.
Doctor of philosophy (PhD) research program.

Law

Bachelor of civil law (BCL) 3 years post-BA or post-CEGEP or equivalent. One year after LLB degree.
Bachelor of laws (LLB) 3 years after completion of BA or 1 year after BCL.
Bachelor of civil law/Master of business administration (BCL/MBA) and bachelor of laws/master of business administration (LLB/MBA) combined programs. Four years after an undergraduate degree.
Bachelor of civil law/Bachelor of laws/Master of business administration (BCL/LLB/MBA) combined program. Five years after an undergraduate degree.
Bachelor of civil law/Master of social work (BCL/MSW) or bachelor of laws/master of social work (LLB/MSW). Three years after an undergraduate degree.
Bachelor of civil law/Bachelor of laws/Master of social work (BCL/LLB/MSW) 3 years after an undergraduate degree plus 1 additional year for second law degree.
Graduate diploma in air and space law. Two terms after BCL, LLB, Licence en droit or equivalent professional standing. No thesis required.
Master of civil law (MCL) At least 1 year after BCL.
Master of laws (LLM) 2 terms of full-time resident study and at least 1 subsequent term to complete thesis, after completion of first law degree.
Doctor of civil law (DCL) 3 years after first degree in law.

Library and information studies

Master of library and information studies (MLIS) 2 years after a bachelor's degree.

Management

Bachelor of commerce (BCom)
Master of business administration (MBA) At least 2 years after bachelor's degree. Full-time or part-time study.
Bachelor of civil law/Master of business administration and bachelor of laws/master of business administration.
Bachelor of civil law/Bachelor of laws/master of business administration. See Law above.
Doctor of philosophy (PhD) A bilingual program in administration offered co-operatively with Concordia University, Ecole des Hautes Etudes Commerciales and Université du Québec à Montréal.

Medicine

Doctor of medicine and master of surgery (MD CM) Basic academic prerequisites for admission into the 4-year program consist of a bachelor's degree and the medical college admission test. Admission into a 5-year program is restricted to students enrolled in provincial CEGEPs; promotion into the 4-year program follows a year of study in the faculty of science.
Graduate diploma in child psychiatry. Number of years variable. Satisfactory completion of refereed paper required.
Graduate diploma in psychiatry. Number of years variable. Satisfactory completion of refereed paper required.
Graduate diploma in epidemiology and biostatistics. One year from medical or dental degree.
Master of science (MSc) At least 1 year from MD.
Master of science, applied (MScA) At least 2 years from BA, BSc or equivalent.
Doctor of philosophy (PhD) At least 3 years from MD or 2 years from master's.

Music

Licentiate in music (LMus) 3 years after high school leaving certificate. For advanced instrumentalists and singers who pass a senior-level audition and who wish to concentrate on the practical subject of their choice while limiting theoretical studies to basic areas in music history, theory and ear-training.
Concert diploma. Two-year post-licentiate or equivalent course for highly gifted instrumentalists and singers who have demonstrated the talent and capacity for a professional performance career.
Bachelor of music (BMus) 3 years post-CEGEP or equivalent with concentration in music. Demonstrated piano proficiency and entrance audition required.
Master of arts (MA) 2 years after BMus.
Master of music (MMus) 2 years after BMus.
Doctor of music (DMus) 2 years resident study after MMus or equivalent and high degree of accomplishment as a composer.
Doctor of philosophy (PhD) 3 years resident study after BMus or equivalent.

Nursing

Bachelor of science in nursing [BSc(N)]
Master of science (MSc) with thesis 2 years from bachelor's degree and nursing experience.
Master of science, applied (MScA) 2 years from bachelor's degree and nursing experience.
Master of science, applied (MScA) Program for non-nurses with bachelor's degree.

Physical and occupational therapy

Bachelor of science in occupational therapy [Bsc(OccTher)]
Bachelor of science in physical therapy [BSc(PhysTher)]
Master of science in rehabilitation science (MSc) 2 years after BSc (PhysTher) or equivalent.
Doctor of philosophy in rehabilitation science (PhD)

Religious studies

Bachelor of theology (BTh) 3 years post-BA or post-CEGEP or equivalent.
Master of arts (MA) 1 year post-BA or BTh. Thesis required.
Master of sacred theology (STM) 2 years post-BA or post-BTh. No thesis required.
Doctor of philosophy (PhD) At least 3 years post-BTh or 2 years post-MA or post-STM.

Science

Bachelor of science (BSc)
Diploma in meteorology. One year from bachelor's degree in mathematics and/or physics. For professional career in meteorology.
Graduate diploma in geological sciences. One year from bachelor's degree.
Master of science (MSc)
Master of science, applied (MScA)
Doctor of philosophy (PhD)

Social work

Bachelor of social work (BSW)
Bachelor of civil law/Master of social work and bachelor of laws/master of social work and bachelor of civil law/bachelor of laws/master of social work. See Law above.
Master of social work (MSW) At least 1 year after BSW.
Graduate diploma in advanced social work practice. One year after MSW.

Urban planning

Master of urban planning (MUP) Minimum 2 years of study and 3-month internship with a recognized planning association after related bachelor's degree or equivalent.

Special programs

Interdisciplinary studies: African studies, Canadian studies, classics and linguistics, East Asian studies, economics and political science, French Canada studies, history and political science, humanistic studies, industrial relations, Latin American and Caribbean studies, Middle East studies, modern languages, North American studies.

Minor programs: Biotechnology, cognitive science, computer science, East Asian languages and literature, East Asian studies, environmental studies, electrical engineering, geochemistry, French Canada studies, German, geological sciences, geophysics, history and philosophy of science, linguistics, mathematic, meteorology, Northern studies, statistics, women's studies.

Combined programs: Master of business administration/bachelor of civil law and/or bachelor of laws. Master of social work/Bachelor of civil law and/or bachelor of laws. Doctor of medicine/Doctor of philosophy.

Language programs: Language proficiency and translation programs are offered through the centre for continuing education. Certificate program in native and northern education.

Summer session

The summer session (May through August) curriculum includes a wide range of undergraduate credit courses in agriculture, arts, education, engineering, management, music, religious studies, and science. There are also a number of courses offered at the graduate level, particularly in education.

Continuing education

Graduate programs: Graduate diploma programs in management, management (tourism) and public accountancy. In addition, post bachelor-level courses are available in engineering.

Undergraduate programs - education: Bachelor of education degree programs in elementary and vocational education. Certificate programs are offered in moral and religious education, reading instruction, second language teaching (English or French), special education, educational technology (media or computing), native and northern education, teaching of the arts, and business and industrial trainers development. Diploma courses are offered in educational administration, human relations and family life education, and education and psychology of the gifted.

Undergraduate programs - management: Bachelor of commerce (part-time). Certificate programs are available in the following fields: Accounting, computer-based, information systems, management, marketing, human resources management, public relations management, transportation, applied real estate and health and social services management.

In addition, the centre offers courses recognized by external institutes, societies, corporations and associations for accreditation towards their own programs. There may be academic requirements for some of the programs listed above.

Undergraduate programs - languages, translation: Programs leading to a certificate of proficiency are available in English, French, German, Italian, Russian and Spanish; there are no academic prerequisites for admission.

A certificate program in translation is open to applicants who can demonstrate a high level of fluency in both English and French.

Non-certificate courses in Arabic, Armenian, Chinese, functional French for professionals, modern Greek, Hungarian and Japanese. Credit courses are available in Hebrew, Polish, Portuguese and Yiddish.

General courses: A number of general courses in the liberal arts are offered with no specified academic prerequisite. Cultural and personal enrichment courses are offered in archeology, art, classics, food and consumer science, history, human behavior, literature, music, religious studies, science and women's studies. Professional and career enrichment courses are offered in business, computers and engineering. Technical and semi-technical courses are offered to specific groups as a community service.

There are evening summer courses in accountancy, English, French and management and day summer seminars in executive and staff development and in industrial relations.

Academic Credit Transfer Agreement

Regular full-time undergraduate and regular full-time or part-time graduate students at McGill may, with written permission of the dean of their faculty, register for up to 6 credits in each academic year at any other university in the province of Quebec. Successfully completed courses

will be fully recognized by McGill for the degree program in which the student is registered. Students wishing to take advantage of this should consult the associate dean of their faculty for details and conditions. A transfer credit form, available in the office of the registrar, must be completed. It permits the student to obtain required academic authorizations. It also ensures the automatic reporting of marks and credits to McGill.

Foreign Universities Exchange program: McGill participates in a consortium of Quebec universities to permit its students to study in a number of international institutions. Applicants must be Canadian citizens or permanent residents. Appropriate Quebec tuition rates will apply. Applicants must be recommended by their faculty and are advised that not all programs or courses may be available to them on the campuses they wish to attend. Information is available from the registrar's office.

Admission Requirements

Undergraduate

Quebec: Holders of the diploma of collegial studies are considered for admission to the first year of the 3-year university program.

Other provinces: Students from provinces other than Quebec who have completed Grade 12 or in Ontario the OSSD and 6 appropriate OACs may be admitted to a 4-year program. They should have followed a program leading to university entrance in their own province.

Mature students

Residents of Canada who will be 23 years of age or older (21 years or older for the faculty of music) by September 1 (for fall session) or January 1 (for winter session) and who lack the academic background normally required for admission may apply as mature students. In general, mature students will be entering university for the first time. Mature students may be admitted to the faculties of agricultural and environmental sciences, arts, education, engineering, management, music, religious studies, science, and the schools of nursing and social work. Interested students should contact the admissions office for further information.

Senior citizens

Senior citizens are subject to regular admission requirements, unless they apply as mature students; the tuition fee is reduced by 50% for senior citizens.

Graduate

Students must have completed the equivalent of a McGill honors bachelor's degree with specified grades in appropriate subjects.

International students

Overseas students are advised to write college entrance examination board (CEEB, minimum score 550) aptitude and achievement tests. The Test of English as a Foreign Language (TOEFL, minimum score 550) is the preferred test for students whose mother tongue is not English.

Applicants seeking admission to the faculties of dentistry, law or medicine must hold a bachelor's degree.

USA: High school graduates may be admitted to 4-year programs in the faculties of arts, education, management, engineering, science and the schools of physical and occupational therapy, and nursing. Students should have followed an academic program designed for university entrance. Applicants must submit CEEB scores. Credit or exemption is granted for advanced placement examinations in which a grade of 3 or better has been achieved. Applicants to management, nursing, and science should have a strong background in mathematics. Applicants to engineering should have a strong background in mathematics, chemistry, and physics. It is not possible to apply for admission to architecture or social work on the basis of Grade 12; a minimum of 1 year of preparatory study in an appropriate university-level program is required.

UK and Commonwealth: Students may be admitted directly into a 3-year program requiring the completion of 90 credits (3 years) in arts, education, management and science if they have completed 3 appropriate A-level papers. An average grade of C or better with no more than 1 paper having a grade of D, is required. Students will be expected to have completed 5 GCE papers at the O-level, 1 of which must be English language. Students with fewer than 3 A-level papers can be offered admission but must complete additional credits to complete degree requirements. Students with very good grades in at least 5 appropriate O-level papers, plus 1 full year of formal education beyond O-level in a suitable academic program at a recognized school or college, may be admissible to an undergraduate 4-year program in arts, education, management, nursing or science.

Students may apply for admission to a 7-semester university program in engineering if they have passes in 5 GCE O-level papers including English, mathematics, physics and chemistry, 2 years of studies in sixth form and A-level papers in chemistry, mathematics and physics with a grade of C or better in each. Students lacking the full requirements may be considered for admission to an 8-semester program. Students who have very good grades in at least 5 appropriate O-level papers and 1 full year of formal education beyond O-level in a suitable academic program at a recognized school or college may be admissible to a program requiring the completion of 8 semesters (4 years).

Admission to the school of architecture is competitive and applicants are selected primarily on the basis of academic standing. Unless the student has achieved particularly outstanding results in A-level papers in chemistry, mathematics and physics, it is not possible to offer admission to architecture prior to the completion of further studies in either science or engineering. Practical experience in architectural work is not required but may influence the admissions committee in selecting candidates.

Students seeking admission to a 3-year program in physical and occupational therapy must complete A-level

biology, chemistry, mathematics, and physics and have achieved a grade of C or better in each.

Other: Applicants submitting the French Baccalaureate or the International Baccalaureate will be considered for admission. Students from academic backgrounds other than those mentioned above should contact the admissions office to determine their eligibility for admission consideration.

Application Deadlines

The deadline for submission of applications for undergraduate admission in September is February 1 (non-Canadian residents) or March 1 (Canadian residents) of the year in which admission is sought and September 1 (non-Quebec residents) or November 1 (Quebec residents) for January admission. Applications for admission to the faculty of graduate studies and research should be submitted to the dean's office by July 2.

Academic Year

Winter session: Early September to early May (June for medicine and dentistry and some professional schools). Summer session in various subjects, May through August. Admission to most undergraduate programs in January is also possible.

Grading System

The earned grade point for each course is the product of the credit rating of the course and the grade rating attained. Courses are graded either by letter grades or in percentages as follows: A (85-100%), 4.0; A- (80-84%), 3.7; B+ (75-79%), 3.3; B (70-74%), 3.0; B- (65-69%), 2.7; C+ (60-64%), 2.3; C (55-59%), 2.0; D (50-54%), 1.0; F (0-49%), 0. Certain courses have been approved for pass/fail grading. Grades of C and better are considered satisfactory passes, D is a conditional pass and F a failure. Standing is determined on the basis of a grade point average which is computed by dividing the sum of the grade points earned for the year by the course credits attempted. The cumulative grade point average is the grade point average calculated using the student's entire record in the program. Grades D and F will continue to be used in the calculation of CGPA even after the course is repeated and passed or if a supplemental examination is taken.

Faculties on alternate grading systems are as follows: Medicine: S (satisfactory), 60-100%; U (unsatisfactory), under 60%. Graduate studies and research: Pass mark, 65%

Student Life and Services

All students registered at the university are members of the students' society, except those governed by the constitution of the Macdonald College students' society, those registered in the faculty of graduate studies and research who are non-resident students and students who are members of the McGill association of continuing education students. Student members sit on almost all university committees and on the university senate and board of governors. An ombudsman is appointed by the university to investigate situations affecting students.

The University Centre houses the offices of the students' society and all major extra-curricular activities at McGill. In addition to a cafeteria, students have access to pubs, a ballroom, and meeting rooms. Similar facilities exist at Macdonald College in the Centennial Centre.

A post-graduate students' society operates David Thomson House as a meeting place for all resident full-time graduate students. There are frequent organized social and cultural activities.

Douglas Hall, McConnell Hall, Molson Hall, and Gardner Hall are co-educational residences which accommodate a total of 822 students. In addition, the Royal Victoria College houses 259 women. The university maintains a number of apartments for married students in nearby locations and the off-campus housing service provides assistance to students seeking off-campus accommodation. Laird Hall at Macdonald College provides accommodation for 260 students.

There are over 250 activities and clubs which students may join including international clubs, religious groups, political clubs, theatrical and musical societies, Radio McGill, and 2 student newspapers, the McGill Daily and the McGill Tribune. Sports facilities, physical education programs, intercollegiate, intramural and recreation sports clubs are centred in the Sir Arthur Currie Memorial Gymnasium, the McConnell Winter Stadium, the Percival Molson Memorial Stadium, and the Garfield Weston Pool.

Students in the faculty of law assist in the operation of a student-sponsored legal aid service.

There is a day-care centre for very young children of students and staff.

The dean of students is responsible for all student services and is available to students for consultation on individual problems and for information concerning the university and its procedures. In addition, the office of the dean of students is the co-ordinating centre for any special support services necessary for a student with a temporary or permanent physical disability. Inquiries should be directed to Mrs. Aikens, co-ordinator for disabled students information at (514) 398-6009.

Medical services are provided to all full-time students and to part-time students who pay student services fees by the McGill University health service. Clinics operate 5 days a week. A mental health service provides psychiatric and psychological help to students. All international students are required to participate in a compulsory health and accident insurance plan negotiated by the university.

During the academic year, the office of the international student adviser handles all financial and general matters concerning international students. There is also a multicultural society which organizes programs and activities throughout the school year.

Students who are undecided about their programs may consult a faculty adviser in the appropriate student affairs office of their faculty. Incoming students should

do this as early as the month of March. Those who have decided on their programs may proceed to an academic adviser for completion of a study plan form. These advisers are available for consultation to undergraduate students throughout the academic year.

The orientation service is available to all incoming students during the last 2 weeks of August. Group meetings, campus tours and social hours are included.

A tutorial service is available to students throughout the year. Students are tutored by senior honors and graduate students. Sessions are 1 hour in length and 2 to 4 students are tutored at each session. The cost to the student is minimal and depends on the number of students in the group.

The student counselling service provides a place for students of all faculties to discuss problems confidentially. Services offered include individual and group therapy, awareness groups, marital and sexual therapy, psychological assessment, vocational testing, effective reading courses, educational and career planning and a career information library. Services are free to members of the university community.

A pastoral service is available through the campus chaplains.

The Canada Employment Centre provides a comprehensive placement service for part-time, summer and permanent employment.

The university bookstore provides a comprehensive stock of current textbooks, reference material, and academic supplies as well as items of general interest.

Students are not permitted to park on the Montreal campus. Limited parking at monthly rates is available for students living in residences.

Research Institutes, Centres and Programs

The institutes listed below carry out research and teaching in a number of specialized fields. In most, facilities exist for qualified students wishing to take higher degrees.

Biological and medical sciences

Aerospace Medical Research Unit. Director: D.G.D. Watt, MDCM, PhD

Allan Memorial Psychiatric Institute. Director: H.A. Guttman, BA, MD, DiplPsych

Anesthesia Research Department. Director: K.Krnjevic, BSc, MB, ChB, PhD, FRS(C)

Animal Resources Centre. Director: R.H. Latt, DVM

Artificial Cells and Organs Research Centre. Director: T.M.S. Chang, BSc, MD CM, PhD, FRCP(C)

Belairs Research Institute. Director: Wayne Hunte, BSc, PhD

Biomedical Engineering Department. Director: R.E. Kearney, BEng, MEng, PhD

Centre for Continuing Medical Education. Director: G.L. Houle, BA, MD, FRCP(C)

Centre for Human Genetics. Director: L. Pinsky, BSc, MD, CM

Centre for Nonlinear Dynamics in Physiology and Medicine. Director: M. Mackey, BA, PhD

Centre for Plant Molecular Biology. Director: G. Brown, BSc, PhD

Centre for Research in Neuroscience. Director: A.J. Aguayo, MD, FRCPCan, FRSCan

Centre for Research on Endocrine Mechanisms. Director: S. Solomon, MSc, PhD

Centre for Studies in Age and Aging. Director: S. Gauthier, MD, FRCP(C)

Centre for the Study of Reproduction. Director: J.R. Brawer, BSc, PhD

Dairy Herd Analysis Service. Director: M. Barré, BCom

Dairy Research Group. Director: K.F. Ng Kwai Hang, BSc(Agr), MSc, PhD

Gault Estate and Mont-St-Hilaire Nature Conservation Centre. Directors: M. Drew, BSc; G. Bell, BA, DPhil

Institute of Parasitology. Director: R.K. Prichard, BSc, PhD

Limnology Research Centre. Director: J. Kalff, MSA, PhD

Macdonald Raptor Research Centre. Director: D.M. Bird, BSc, MSc, PhD

McGill Cancer Centre. Director: C.P. Stanners, BSc, MA, PhD

McGill Centre for Clinical Immunobiology and Transplantation. Director: R.D. Guttmann, BA, BSc, MD, FRCPCan

McGill Centre for the Study of Host Resistance. Director: E. Skamene, MD, PhD

McGill Centre for Tropical Diseases. Director: J.D. MacLean, BA, MD, FRCPC

McGill Subarctic Research Laboratory. Director: T.R. Moore, BSc, PhD

The McGill University Herbarium. Curator: M.J. Waterway, BA, MS

McGill University Project for Hearing-Impaired Children. Director: E. Cole, BSc, EdD

Medical Physics Unit. Director: M. Cohen, BSc, PhD, FIP, ARCS

Montreal Neurological Institute and Hospital. Director: D.W. Baxter, MD, CM, MSc, FRCP(C)

Morgan Arboretum. Curator: E.R. Thompson, MSc

Nutrition and Food Science Centre. Director: E.B. Marliss, MD, FRCPC

Office of Biotechnology. Director: R.A. Murgita, BSc, MSc, PhD

Humanities and social sciences

Anthropology of Development Program. Director: D.R. Aronson, BA, MA, PhD

Centre for Applied Family Studies.

Centre for Developing Area Studies. Director: D. Aronson, BA, MA, PhD

Centre for East Asian Studies. Director: J. Ronsley, BS, MA, PhD

Centre for Minimum Cost Housing. Director: W. Rybezynski, BArch, MArch, OAQ

Centre for Research on Instruction. Director: B. Shore, BSc, MA, PhD

Centre for Strategic Studies in Organizations. Director: H. Mintzberg, BEng, SM, PhD

Centre for the Study of Regulated Industries. Director: R. Schultz, BA, MA, PhD

Centre for University Teaching and Learning. Director: J.G. Donald, MA, PhD

Centre of Air and Space Law. Director: N.M. Matte, OC, QC, LLD, DrenDroit, FRSCan

Cognitive Science Centre. Director: T. Shultz, BA, PhD

Comparative Literature Program. Director: M. Finlay, BA, MA, PhD

Dobson Centre for Entrepreneurial Studies. Acting director: W. Ellis, BA, MBA, DBA

English and French Language Centre: Director: C. Fay-Baulu, BA, MA

Faculty of Arts Computing Laboratory. Director: A.C. Masi, AB, MA, PhD

French Canada Studies Program. Director: C. Fay-Baulu, BA, MA

Institute of Air and Space Law. Director: M. Milde, LLM, LLD, PhD, DiplAirSpLaw

Institute of Comparative Law. Director: H.P. Glenn, BA, LLB, LLM, DrenDroit

Institute of Islamic Studies. Director: D.P. Little, BA, MA, PhD

Management Institute. Director: N.J. Keesal, BA, MBA

Management Sciences Research Centre. Director: G.A. Whitmore, BSc, MSc, PhD

McGill Centre for Medicine, Ethics and Law. Director: M.A. Somerville, AuA, LLB, DCL

McGill Centre for Northern Studies and Research. Co-directors: T.R. Moore, BSc, PhD; M. Stenback, BA, MA, PhD

McGill Centre for Research and Teaching on Women. Director: P. Tancred, BA, MA, PhD

McGill Economics Centre.

McGill International. Director: E. Donefer, BS, MS, PhD

McGill-Montreal Children's Hospital Learning Centre. Director: W. Smith, BA, MA

Offices of Industrial Research. Director: B. Stripp, PhD

Quebec Research Centre for Private and Comparative Law. Director: P.-A. Crépeau, OC, QC, BA, LPh, LLD, LLL, BCL, DU, FRS(C)

Survey Research Laboratory. Director: U. Locher, VDM, STM, PhD

Physical sciences and engineering

Brace Research Institute. Director: M.R. Kamal, BSc, MS, PhD

Centre for Climate and Global Change Research. Director: L.A. Mysak, BSc, MSc, PhD, FRSC

Centre for Drainage Studies. Director: R.S. Broughton, BSA, BASc, SM, PhD

Foster Radiation Laboratory. Director: J. Barrette, MSc, PhD

Geotechnical Research Centre. Director: R.N. Yong, BA, ScB, (CivilEng) MSc(CE), MEng, PhD, FRSCan, FEIC

McGill Centre for Bioprocess Engineering. Director: R.J. Neufeld, BSc, PhD

McGill High Energy Physics Group. Director: B. Margolis, PhD, MSc, FRSCan, FAPS

McGill Research Centre for Intelligent Machines. Director: M.D. Levine, PhD, MEng, FCIAR

Metals Processing Centre. Director: R.I.L. Guthrie, BSc, PhD, DIC, ARSM

Polymer McGill. Director: M.R. Kamal, BS, MS, PhD

Pulp and Paper Research Institute of Canada. Director: D.G. Gray, BSc, MSc, PhD, FCIC

Radar Weather Observatory. Director: G.L. Austin, MA, MSc, PhD

Research Chairs

Faculty of Arts

David J. Greenshields Chair of English.

William Dow Chair of Political Economy. A. Asimakopoulos, MA, PhD, FRSC

Grierson Chair of Communications.

Hiram Mills Chair of Classics. A. Schachter, BA, DPhil

John Frothingham Chair of Logic and Metaphysics. M. Bunge, MA, PhD

John MacNaughton Chair of Classics. G.M. Wolock, BA, MA, PhD

Molson Chair of English. K. McSweeney, BA, PhD

Montreal Jewish Community Chair of Jewish Studies. R. Wisse, MA, PhD

R.B. Angus Chair of Economics and Political Science. J.R. Mallory, MA, LLB, LLD, FRSC

William C. Macdonald Chair of Moral Philosophy. D. Norton, MA, PhD

William Kingsford Chair of History. P.C. Hoffmann, PhD

Faculty of Education

William C. Macdonald Chair of Education. M. Gillett, BA, DipEd, MA, EdD

Faculty of Engineering

Canadair Chair of Aerodynamics. B.G. Newman, MA, PhD, MASME, FCASI, FRAeS, FRSC

George Boyd Webster Chair of Mining Engineering. J.B. Edwards, BSc, MSc

Gerald G. Hatch Chair of Mining and Metallurgy. J.E. Gruzleski, BSc, MSc, PhD

Henry Birks Chair of Metallurgy. W.M. Williams, MSc, PhD

Saidye Rosner Bronfman Chair of Architectural History. A. Perez-Gomez, MA, PhD

Thomas Workman Chair of Mechanical Engineering. M.P. Paidoussis, BEng, PhD, FIMechE, FASME

William C. Macdonald Chair of Architecture. D. Drummond, BArch, FRAIC, OAQ

William C. Macdonald Chair of Electrical Engineering. G.D. Zames, BEng, ScD

William C. Macdonald Chair of Mining and Metallurgy. R.I.L. Guthrie, BSc, PhD, DIC, ARSMEng

William Scott Chair of Civil Engineering. R.N. Yong, BA, ScB, MSc(CE) MEng, PhD, FRSC, FEIC

Faculty of Graduate Studies and Research

Canadian Pacific Chair of Biotechnology.

Philip S. Fisher Chair of Social Work.

Urdu Language and Culture Chair. S. Alvi, BA, MA, PhD

Faculty of Law

Arnold Wainwright Chair of Civil Law. P.A. Crepeau, QC, BA, LPh, LLL, BCL, DU, LLD

F.R. Scott, CC, QC, Chair Public and Constitutional Law.

Peter M. Laing Chair of Law. P. Glenn, BA, LLB, LLM, DrenDroit

Samuel Gale Professor of Law. M.A.G. Somerville, AuA, LLB, DCL

William C. Macdonald Chair of Law. J.W. Durnford, BA, BCL

William C. Macdonald Chair of Law. J.E.C. Brierley, BA, BCL, DU, LLD

Faculty of Management

Bank of Montreal Chair of Finance and Banking. C.W. Sealey, BA, MA, PhD

Samuel Bronfman Chair of Economics. G.A. Whitmore, BSc, MSc, PhD

Samuel Bronfman Chair of Management. H. Mintzberg, BEng, BA, SM, PhD

Faculty of Medicine

Antoine G. Massabki Chair of Medicine. P.T. Macklem, BA, MD, CM, FRCP(C)

Carex Chair of Studies in Aging. S.G. Gauthier, BA, PhD

Douglas G. Cameron Chair of Medicine. P. Gold, OC, BSc, MSc, MD, CM, PhD, FRCP(C), FRSC, FACP

Edward Archibald Chair of Surgery. L.D. MacLean, BSc, MD, PhD, FRCS(C), FRSC

Flora Madeline Shaw Chair of Nursing. M.E. Jeans, BN, MSc, PhD

Garfield Weston Chair of Nutrition. E.B. Marliss, MD, FRCP(C)

Gilman Cheney Chair of Biochemistry. R.M. Johnstone, BSc, PhD

Harold Griffith Chair of Anaesthesia.

Harry Webster Thorp Chair of Experimental Medicine. C.K. Osterland, MD, FACP

Herbert Black Chair of Surgical Oncology. R.G. Margolese, AB, MD CM, FRSC

Hosmer Chair of Applied Physiology. G. Melvill-Jones, MA, MBChB

H. Rocke Robertson Chair of Surgery. D.S. Mulder, MD, MSc, FRCS(C), FACS

James Edmund Dodds Chair of Obstetrics and Gynecology. A.B. Little, BA, MD, CM, FRSCC

James Edmund Dodds Chair of Pediatrics. J.R. Hamilton, BSc, MD CM, FRCP(C)

Joseph Morley Drake Chair of Physiology. K. Krnjevic, OC, MBChB, BSc, PhD

Killam Chair of Neurology and Neurosurgery. G. Karpati, MD, FRCP(C)

Michael Rosenbloom Chair of Radiation Oncology. C. Freeman, MB, BS, FRCPC

Minda de Gunzburg Chair of Oncology.

Miranda Fraser Chair of Comparative Pathology. J.B. Richardson, BS, MD, CM, PhD, FRCP(C)

Robert Reford Chair of Anatomy. D.G. Osmond, BSc, MB, ChB, DSc, FRSC

Strathcona Chair of Pathology. S. Moore, MB, FRCP(C)

Strathcona Chair of Preventive Medicine. W.O. Spitzer, MD, MHA, MPH, FRCP(C), FACE

Thomas F. Cotton Chair of History of Medicine. D.G. Bates, BA, MD, PhD

Wesley Bourne Chair of Anesthesia. D.R. Bevan, MA, MB, BChir

William Cone Chair of Neurosurgery. G. Bertrand, BA, MD, FRCSC

Faculty of Religious Studies

Henry Birks Chair of Comparative Religion.

J.W. McConnell Chair of Philosophy of Religion. J.C. McLelland, BA, MA, BD, PhD, DD

Faculty of Science

Canada Steamship Lines Chair of Meteorology. L.A. Mysak, BSc, MSc, AM, PhD, FRSC

Dawson Chair of Geology. R. Doig, MSc, PhD

E.B. Eddy Chair of Industrial Chemistry. A.S. Perlin, MSc, PhD, FCIC, FRSC

E.P. Taylor Chair of Psychology. R. Melzack, MSc, PhD

E. Rutherford of Physics. B. Margolis, BSc, MSc, PhD, FAPS, FRSC

Molson Chair of Genetics. E. Kafer-Boothroyd, DPhil

Otto Maass Chair of Chemistry. D.D. Patterson, BSc, MSc

Peter Redpath Chair of Pure Mathematics. J. Lambek, MSc, PhD, FRSC

Strathcona Chair of Zoology. R.L. Carrol, BSc, MA, PhD

William C. Macdonald Chair of Botany. G.A. Maclachlan, MA, PhD, FRSC

William C. Macdonald Chair of Chemistry. G. Just, IngChem, PhD, FCIC

William C. Macdonald Chair of Chemistry. W.C. Purdy, BA, PhD, FCIC

William C. Macdonald Chair of Physics. D.G. Stairs, BSc, MSc, PhD

William C. Macdonald Chair of Physics. M.J. Zuckermann, BA, MA, DPhil

William E. Logan Chair of Geology. C.W. Stearn, BSc, MS, PhD, FRSC

Affiliated Colleges

The Montreal Diocesan Theological College, 3473 University Street, Montreal, Quebec H3A 2A8 Telephone, (514) 849-3004. Anglican. Co-educational. Founded in 1873; affiliated with McGill in 1880. Offers courses in practical theology leading to a master of divinity following a McGill bachelor of theology or equivalent. Also operates a reading and tutorial course in theology for home study, and evening courses for lay education. Residential accommodation for 41 single students and 13 apartments for married students. Principal: A.C. Capon, MA, BD, DD.

The Presbyterian College of Montreal, 3495 University Street, Montreal, Quebec H3A 2A8 Telephone, (514) 288-5256. Presbyterian. Co-educational. Established in 1865. Offers courses leading to a master of divinity following a McGill bachelor of theology or equivalent. Provides residential accommodation for 35 single students. Principal: W. Klempa, BA, MA, BD, PhD

The United Theological College of Montreal, 3521 University Street, Montreal, Quebec H3A 2A9 Telephone, (514) 849-2042. United Church. Co-educational. Founded in 1928. Offers courses leading to a master of divinity following a McGill bachelor of theology or equivalent. Principal: Pierre Goldberger, BA, BSc, LTh, DEA

Constituent College

Macdonald College, 21,111 Lakeshore Road, Ste-Anne-de-Bellevue, Quebec H9X 1C0 Telephone, (514) 398-7928. Residential college founded in 1907 houses the faculty of agricultural and environmental sciences including the school of dietetics and human nutrition. Vice-principal: R.B. Buckland, BSc(Agr), MSc, PhD

McMaster University*

General Information

Address: Hamilton, Ontario L8S 4L8
Telephone: (416) 525-9140
Telex: 021-8347

Principal and Vice-chancellor: Geraldine A. Kenney-Wallace, LRIC, MSc, PhD, ARIC, DSc

Inquiries: Direct general correspondence to the registrar, Douglas J. Weaver, BSc, MBA

Assistant registrar (liaison): Laurie Deans

Full-time faculty (1989-90): 1,046

History and Governance

In 1987, McMaster University celebrated 100 years of active life in postsecondary education. Named after Senator William McMaster, who bequeathed substantial funds to endow a 'Christian school of learning', McMaster University was established by an act of the Ontario legislature in 1887. From then until 1957 it was governed by the Baptist Convention in Ontario and Quebec. Teaching began in Toronto in 1890 and the first degrees were conferred in 1894.

The university moved to Hamilton in 1930. In 1948, it was reorganized into 3 colleges: Divinity College; University College (arts); and Hamilton College (science) which was non-denominational and operated under its own board of governors as an affiliated college. In 1957, the Baptist Convention withdrew from legal control of the university and the university and Hamilton College became 1 non-denominational corporation. McMaster Divinity College was at the same time incorporated as an affiliated theological college. In 1967, the constituent colleges were dissolved and replaced by a divisional structure composed of the divisions of arts, science and engineering, and health sciences. The division of arts was divided into 3 faculties: Business, humanities and social sciences. The division of science and engineering was composed of 2 faculties, science and engineering; and the division of health sciences consisted of the faculty of medicine. These revisions were implemented during the academic year 1967-68.

As of July 1, 1974, the divisional structure of the university was dissolved. The 3 divisional vice-presidents were replaced by a single vice-president (academic). Each of the faculties continued under its respective dean. The faculty of medicine became the faculty of health sciences and included the school of nursing and the school of medicine.

McMaster University is non-denominational and co-educational. It is governed by a 37-member board of governors and an academic senate of 65 members.

International Mandate

McMaster International promotes and co-ordinates the university's international activities in order to contribute to international development and to enhance global co-operation and awareness within the McMaster community. The principles of partnership, social equity, human rights and environmental protection guide its work. McMaster International assists project development and financial management, maintains links with external agencies, co-ordinates formal overseas exchange and collaboration agreements, and provides resources and information on international topics and opportunities. Contact: Dr. G. Warner, director, McMaster International. Telephone: (416) 525-9140 ext. 4700.

Buildings and Grounds

The city of Hamilton (population about 320,000) is situated on Lake Ontario and is the gateway to the Niagara peninsula. It is the second largest city in Ontario and the largest Canadian inland port on the Great Lakes Seaway. The university occupies about 250 acres in west Hamilton, its lands being bordered by tracts of parkland forming part of the extensive acreage of the Royal Botanical Gardens. The campus is reserved for pedestrian traffic with ample parking facilities at all campus entrances and a free shuttle bus service. There are over 40 buildings on campus including the Health Sciences Centre and student residences. Research laboratories in all science and engineering departments are housed in physical sciences, senior sciences, general sciences, life sciences, psychology, engineering, applied dynamics, nuclear research and accelerator buildings and the newly-constructed communications facility to house teaching and research laboratories. The nuclear reactor and Van De Graff Accelerator provide facilities for work in nuclear science and engineering research; greenhouses provide facilities for work in botany and biochemistry; facilities for interdisciplinary research in materials science are available. There are extensive data processing and computing facilities located in various centres around the campus. McMaster supports its academic programs in the arts with language laboratories, music rehearsal rooms, art studios and an art gallery. The university has made substantial financial and resource commitments to improving its facilities for handicapped persons. Many of the buildings are now accessible and additional learning resources are being acquired. Over the next few years approximately $55 million will be spent on renovation and construction. This will include additions and renovations to Mills Memorial Library and new art gallery, the new faculty of business building, an addition and renovations to engineering and science, and a new 385-bed student residence. Already completed is the 6,400 sq.ft. addition to the communications research laboratory.

* Ordinary member, AUCC

Library

The library holdings of the university total over 1,165,000 bound volumes, 1,172,000 microform items, over 8,000 linear meters of archival items, 164,000 non-print items and over 14,250 serial titles and government publications. The library system, which also serves McMaster Divinity College, includes the main library (Mills Memorial Library), the Innis Room Business Library (Kenneth Taylor Hall), the health sciences library (health sciences building), the H.G. Thode Library of science and engineering, and the Lloyd Reeds Map Library and Urban Documentation Centre (Burke Science Building).

The William Ready division of archives and research collections in Mills Library contains rare books, manuscripts and special book and archival collections which afford many opportunities for original research. Of outstanding interest are the Bertrand Russell Archives, a massive collection of correspondence and manuscripts supported by books, journal articles, secondary literature, tapes, films and personal memorabilia. The 30,000 volume collection of eighteenth-century British material is one of the major Canadian collections in the field and has been complemented for over 20 years by the lectures, seminars and publications of the McMaster association for eighteenth-century studies. Library fellowships in eighteenth-century studies have been offered since 1987. Among more modern materials are the papers of Vera Brittain, Marian Engel, Anthony Burgess, Pierre Berton, Farley Mowat, Peter Newman, Matt Cohen and many others. Business interests are reflected in such files as the General Steel Wares Archives, the Macmillan of Canada Archives, and the McClelland and Stewart Archives. Canadian social and political interests are documented in papers from the Canadian Union of Students, the Canadian Youth Congress, the SUPA/CUCND papers and other related collections. There are holdings of the records of a number of labor unions including USWA Local 1005, USWA District 6, United Glass and Ceramic Workers (Canada), and the Hamilton and District Labor Council.

Facilities for the disabled include textbooks on tape, tape recorders, visualteck, TDD, magnifying screens and Perkins brailler.

Programs and Degrees

Three units normally represent 3 lecture hours per week for 1 term. Six units is usually equivalent to either 3 lecture hours per week for 2 terms. Extra units may occasionally be awarded for labs or particularly demanding courses.

Honors bachelor degrees are normally 4 years in duration; (ordinary) bachelor degrees are 3 years in duration unless otherwise specified. Master's degrees require a minimum of 1 year from a bachelor's degree unless otherwise specified. Doctorate degrees require a minimum of 3 years from an honors bachelor's degree or 2 years from a master's degree unless otherwise specified.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts

Bachelor of arts (BA) and honors bachelor of arts [BA (Honors)]
Master of arts (MA)
Doctor of philosophy (PhD)

Arts and science

Bachelor of arts and science (BArtSc) 3 years duration.
Bachelor of arts and science (honors) [BArtSc (Honors)] 4 years duration.
Bachelor of arts and science and social work (BArtSc/BSW) 4 years duration.

Commerce

Bachelor of commerce (BCom) 4 years duration.
Bachelor of commerce (honors) [BCom(Honors)]
Bachelor of commerce and arts [BCom&Arts(Honors)]
Master of business administration (MBA) 1 year from BCom and 2 years from other bachelor's degree. Full-time, part-time or co-operative study.

Engineering

Bachelor of engineering (BEng) 4 years duration.
Bachelor of engineering and management (BEngMgt) 5 years duration. Joint program with faculty of business and bachelor of engineering (BEng) 5 years duration in civil engineering and computer systems.
Master of engineering (MEng)
Doctor of philosophy (PhD)

Medicine

Doctor of medicine (MD) 3 years (33 months) following completion of minimum 3 years in a recognized university with at least overall B (second class) average in university career.
Master of health science (MHSc)
Master of science (medical science) (MSc)
Doctor of philosophy (medical science) (PhD)

Music

Bachelor of music (BMus) 4 years duration.
Bachelor of arts (BA) honors (combined with another subject).

Nursing education

Bachelor of science in nursing (BScN) 4 years. For diploma registered nurses, program is 2 years in length.

Occupational therapy/physiotherapy

Bachelor of health sciences (BHSc) for holders of diplomas in occupational therapy and physiotherapy only, 1 year in length, also new 2-year post-degree programs in occupational therapy and physiotherapy commencing September 1990.

Physical education

Bachelor of physical education (BPE) 4 years duration.
Master of science (MSc)

Science
Bachelor of science (BSc) major program, 4 years.
Bachelor of science (honors)
Master of science (MSc)
Doctor of philosophy (PhD)

Social work
Bachelor of arts/Bachelor of social work (BA/BSW) Combined 4-year program.
Bachelor of social work (BSW) 2 years following completion of an undergraduate degree.
Master of arts (MA)

Theology
Master of divinity (MDiv) 3 years from bachelor's degree and comprehensive examinations.
Master of religious education (MRE) 2 years from bachelor's degree.
Certificate in theology. Two years following 1 year of arts.

Special programs
Combined programs: McMaster provides many opportunities to combine 2 subjects of study within 1 faculty, or between 2 faculties in many of the honors programs and in 1 of the 3-year programs.

Second undergraduate degree: Provision exists for a university graduate to take a second bachelor's degree. This program is normally shortened.

Courses instructed in French: In order to facilitate the intellectual development of students in the French language, the university will attempt to offer 1 or 2 courses annually where French is the language of instruction. These courses are open to all students providing they have the necessary prerequisites for the courses concerned and a suitable working knowledge in the French language.

Listeners: Students not seeking credit apply through the centre for continuing education.

Continuing education
Evening and summer courses leading to most undergraduate degrees outlined above, as part-time degree studies. Provision is made for mature students who do not meet admission requirements based on high school work and who have not previously attended university.

The centre for continuing education offers external certificate programs in conjunction with occupational institutes and associations and McMaster professional certificate programs to enable individuals to gain credentials in their professions. Adult education services also include a wide selection of university preparation courses, conversational language and general interest courses, workshops and seminars to meet community needs.

Calendars for part-time degree studies and continuing education are available by contacting (416) 525-9140, extensions 4321 or 4324.

Admission Requirements

Undergraduate
Ontario: Education level equivalent to 6 OACs in appropriate subjects including possession of Ontario secondary school diploma or secondary school honor graduation diploma; CAAT students and Ryerson Polytechnical Institute students may be admissible and may qualify for advance credit; students who will be presenting a mixture of OACs and Grade 13 credits should contact the university to determine acceptable substitutions for Grade 13 subjects. Contact associate registrar (liaison and admissions).

Other provinces: Candidates may be admitted on the basis of qualifications recognized as equivalent to (OACs/Grade 13) subjects in Ontario. Such candidates should make early application for admission. Alberta, British Columbia, Manitoba, New Brunswick, Northwest Territories, Nova Scotia and Saskatchewan: Grade 12. Newfoundland: Year 1 Memorial University. Prince Edward Island: Year 1 University of PEI. Quebec: Year 1 CEGEP (general course).

Mature/Special students
Applicants must be at least 21 years of age and out of full-time secondary school a minimum of 2 years and have not attended university before; applicants for full-time study must take an aptitude test and be considered by a selection committee. Part-time studies possible in most faculties.

Senior citizens
Students 65 years of age and over are subject to normal admission requirements or those for mature students if they are seeking a degree or other academic credit. Tuition fees are waived for senior students.

International students
International students are limited to 5% of the yearly enrolment in all programs with quotas on total enrolment.

International students whose mother tongue is not English may be asked to take the Michigan English Language Assessment Battery (MELAB), minimum acceptable score of 85 for engineering, nursing and science students, 90 for all other programs; the Test of English as a Foreign Language (TOEFL) is acceptable with a minimum score of 580.

UK and Commonwealth: Applicants must have GCE with satisfactory standing in 5 subjects, at least 2 at A-level appropriate to faculty specifications.

USA: Academic high school graduation with either 1) a first class standing or and acceptable CEEB or CLEP examination scores or 2) satisfactory standing in 1 year of accredited college or university work and in subjects appropriate to faculty specifications.

Other: Official or certified copies of diplomas equivalent to Ontario high school diploma. Certificates in languages other than English should be accompanied by notarized English translation. Satisfactory scores on Michigan English Language Assessment Battery when

English not mother tongue. Applicants submitting International Baccalaureate will be considered.

Graduate

Applicants to PhD programs will normally hold a master's degree (with standing equivalent to McMaster B+). Alternatively, master's students may be reclassified to PhD students, upon request, not sooner than 2 terms from initial registration in master's program. These requests require review by department concerned and by committee on graduate admission and study. In exceptional cases, admission is possible from bachelor's degree if previous academic records show sufficient promise (normally first class standing). Student's progress is reviewed by supervisory committee and department.

MA, MHSc, MSc, MEng: Regular students must hold honors bachelor's degree or equivalent with at least upper second-class standing (equivalent to a McMaster 8.5 grade point average) in final year in subject in which applicant proposes to do graduate work, except for MEng where requirement is at least second-class standing. Other evidence, such as letters of reference, also given consideration.

MBA: Applicants must be graduates of accredited colleges and universities. Highly qualified students who do not possess a university degree may be considered. Applicants must normally have second-class standing in last 2 years of undergraduate work. Applicants must submit scores in Graduate Management Admission Test (Educational Testing Service, Princeton, New Jersey, USA 08540). Applicants seeking advance standing may be required to submit certification of relevant courses taken elsewhere.

Application Deadlines

Winter session (September to April): Full-time and part-time studies, deadline for application is July 15. Winter session, term 2 (Jan. to April): Deadline is November 30.

February to July (evening) session: February entry, January 10; May entry, April 15; June entry, May 31. Summer (day) session: May 31.

Deadlines by program: Medicine, November 1; nursing, non-Grade 13, February 15; nursing, Grade 13, May 1; social work, March 1; labor studies, April 15; occupational therapy/physiotherapy (degree completion), April 1; occupational therapy/physiotherapy (second degree), December 1; gerontology, April 15; women's studies, April 15.

Academic Year

Winter session: September to April (2 terms 13 weeks each totalling 26 weeks of instruction). February to July (evening) session: Five terms offering courses starting at various times and at 2 to 6-month durations. Summer (day) session: Three terms, 3 hours of instruction daily, for 3 or 6 weeks.

Grading System

The university uses a combination of letter grades and a 12-point grade point average system. First class: A-, A, A+; 10.0 to 12.0. Second class: B; 7.0 to 9.0. Third class: C; 4.0 to 6.0. Pass: D; 1.0 to 3.0. Failure: F; 0.0.

Student Life and Services

McMaster students' union represents the common interests and concerns of all undergraduate students. Governed by an assembly of student representatives elected from faculty divisions, the union offers a variety of services, (including day-care centre, pubs, sundry store, concerts, drama, legal aid, student ombudsman, FM radio station and a weekly newspaper) for its members.

The union of graduate students, an incorporated non-profit corporation, represents all students registered with the school of graduate studies and promotes the welfare and interests of students by providing social, athletic and intellectual activities.

The McMaster association of part-time students deals with the interests of part-time students.

Twelve students (6 undergraduate and 6 graduate) sit on the university senate and 2 on the board of governors.

McMaster offers a full range of competitive sports activities at the intramural and intercollegiate level as well as recreational and instructional programs.

Reporting to the dean of student affairs are several university sponsored student services including the following offices: Student counselling, international student advisor, student health, financial aid, residences, off-campus housing service. Telephone (416) 525-9140 ext. 4649.

McMaster University houses 2,765 students (includes new residence accommodating 385 students which is under construction)in traditional men's and women's residence halls, co-educational halls and an apartment style residence. Upperclass and graduate students are normally given preference in the co-educational and apartment style residences; first year students are housed in double rooms. Inquiries for residence should be directed to the director of residences, (416) 525-9140, ext. 4223.

An off-campus housing office maintains listings of available rental housing in the surrounding Hamilton area. For information, students should contact the off-campus housing office, (416) 525-9140, ext. 4086.

The university art gallery, with over 3,000 square feet has all the professional facilities for a year-round program of exhibitions, either organized by McMaster or loaned by such organizations as the National Gallery of Canada and the Art Gallery of Ontario. The permanent collection consists of approximately 3,000 Canadian and European art works, including a specialized collection of German expressionist prints. The gallery is open daily from Monday to Saturday.

The university supports The McMaster Chamber Players, of about 30 pieces under the direction of Matthew Airhart, and the McMaster Choir under the

direction of Wayne Strongman. As well as the public concerts put on by these groups, lunch-hour and evening concerts are a regular feature of McMaster life, with internationally known professional musicians.

A physician maintains daily office hours on campus Monday to Friday throughout the academic session; a registered nurse is on duty from 8:30 a.m. Monday to 5:30 p.m. Friday.

Career counselling is offered by the student counselling service and a wide range of counselling, psychological and informational services and programs is offered to assist students in their personal growth and in the pursuit of their educational goals. Personal counselling, educational and career planning assistance programs are available throughout the calendar year and offered on both individual and group basis.

Persons with disabilities are encouraged to apply to McMaster and should contact the co-ordinator for the disabled to discuss programs of study and other aspects of university life. The university is continuously reviewing and upgrading its services and facilities for disabled persons under the auspices of the President's Advisory and Co-ordinating Committee on the Disabled. For information about services for persons with disabilities, contact the co-ordinator for the disabled, (416) 525-9140, ext. 4339, Gilmour Hall, room 109.

A career placement service is operated by Canada Employment Centre in conjuction with the university. It assists students in finding permanent, part-time and summer employment.

Religious services and a chapel are available to all through an inter- denominational chaplain's office with the support of a campus ministries' council drawing on resources in the community.

A university bookstore offers discounts to staff and students. Charge accounts may be opened by students following registration.

Research Institutes

Accelerator Laboratory. Director: J.A. Davies, MA, PhD

Accounting Research and Education Centre. Director: H. Falk, BSc, MBA, PhD, CGA

Centre for Electrophotonic Materials and Devices Research. Director: D.A. Thompson, BSc, PhD

Centre for Flexible Manufacturing Research and Development. Director: H.A. ElMaraghy, BEng, MEng, PhD, PEng

Centre for Health Economics and Policy Analysis. Co-ordinator: G. Stoddart, BA, PhD

Communications Research Laboratory. Director: S. Haykin, BSc, PhD, DSc, FRSC, FIEEE

Education Center for Aging and Health. Director: A. Macpherson, MD, MSc

The Instructional Development Centre. Director: A.C. Blizzard, BSc, MSc, PhD

McMaster Institute for Energy Studies. Director: M.L. Kliman, BA, MA, PhD

McMaster Institute for Materials Research. Director: A.J. Berlinsky, BSc, MSc, PhD

McMaster Institute for Molecular Biology and Biotechnology. Director: J.A. Hassell, BSc, PhD

McMaster Institute for Polymer Production Technology. Director: A.E. Hamielec, BASc, MASc, PhD, PEng

McMaster Management of Technology and Innovation Institute. Director: Walter F. Petryschuk, PEng, PhD

McMaster Nuclear Reactor. Acting director: M.F. Collins, MA, PhD

Office of Gerontological Studies. Director: E.B. Ryan, BA, MA, PhD

Ontario Centres of Excellence. Based on existing research strengths, McMaster participates in 3 of the 7 Ontario Centres of Excellence, as follows: Centre for Materials Research, Manufacturing Research Corporation of Ontario, Telecommunications Research Institute of Ontario.

Program for Quantitative Studies in Economics and Population. Director: F.T. Denton, BA, MA, FRSC

R. Samuel McLaughlin Centre for Gerontological Health Research. Director: L.W. Chambers, BA, MA, PhD

Research Chairs

Chair in Glass Science and Technology. G.P. Johari, BSc, MSc, PhD

Dr. F. Ronald and Helen E. Britton Chair in Mathematics. V.P. Snaith, MA, ScD, MSc, PhD

Frank A. Sherman Chair in Nuclear Medicine. E.S. Garnett, MD, FRCP, FRCP(C)

Industrial Research Chair in Communications - Antennas. J. Litva, BSc, MSc, PhD

Industrial Research Chair in Environmental Engineering Systems and Control. K.L. Murphy, BASc, MSc, PhD

Industrial Research Chair in Polymer Production Technology. A.E. Hamielec, BASc, MASc, PEng, PhD

Jason A. Hannah Chair in the History of Medical and Related Sciences. C.G. Roland, BSc(Med), MD

Linear Technology/NSERC Industrial Research Chair in Monolithic Microwave Integrated Circuits. D.R. Conn, BSc, MSc, PhD

McKay Chair in Mathematics. B. Banaschewski, Dipl Math, Dr rer nat, FRSC

NSERC/BNR Industrial Chair in Optoelectronic and Microelectronic Devices and Materials. G.J. Simmons, BSc, MSc, PhD

NSERC Industrial Research Chair in Process Control. T.E. Marlin, BS, MS, PhD

Professional Chair in Accounting. H. Falk, BAC, MBA, PhD, CPA

Stelco Chair in Metallurgy. Wei-Kao Lu, BS, PhD

Victor K. Copps Chair in Urban Studies. M. Sproule-Jones, BSc, MA, PhD

Affiliated Institutions

McMaster Divinity College, Hamilton, Ontario L8S 4K1 Telephone, (416) 525-9140 ext. 4401. Co-educational. Baptist. Established in 1957, the college offers courses in theology leading to certificate in theology, master of divinity and master of religious education. Has its own board of trustees and senate, the latter awarding certificates and diplomas only. Academic honorary degrees awarded by the university. Principal: Rev. M.R. Hillmer, BA, Bd, ThD

Memorial University of Newfoundland*

General Information

Address: Elizabeth Avenue, St. John's, Newfoundland A1C 5S7
Telephone: (709) 737-8000
Telex: Main university, 0164101; university library, 0164677.
Cable: Main university, MEMORIAL SNF; university library, MUN LIB SNF
Fax: Main university (709) 737-4569; Health Sciences Centre (709) 737-6400; Sir Wilfred Grenfell College, Corner Brook (709) 639-8125.
Envoy: ADMIN/MUNNFLD

President and Vice-chancellor: Arthur W. May, BSc, MSc, PhD

Inquiries: Direct general correspondence to the registrar, G.W. Collins, BSc, BEd, MSc

High school liaison officer: V. Barrett

Full-time faculty (1988-89): 1,009

History and Governance

The university developed from Memorial University College which was founded in 1925 in memory of the men of Newfoundland and Labrador who died in the First World War. During the first 10 years of its existence the Carnegie Corporation of New York provided annual grants toward general expenses of the college. Memorial University was established by an act of the provincial legislature in 1949. The first degrees were awarded in 1950.

Memorial University is a public, co-educational institution administered by a board of regents made up of 28 members appointed by the lieutenant governor in council elected by alumni and students as well as ex officio members from the university administration. Academic matters are the responsibility of the various faculty councils and the senate made up of 21 ex-officio members and 53 elected members.

International Mandate

The international programs office helps establish and monitor the university's international development policy. It develops and co-ordinates programs with external agencies, institutions and organizations, and assists the university community to develop international programs and projects. The office also acts as a clearing-house for information and monitors the university's international involvements, which focus on using the techniques and experience gained in the developing areas of Newfoundland to assist developing countries. Contact: Mr. Tony Williamson, international programs office. Telephone: (709) 737-4356.

Buildings and Grounds

The university is located on the northern limits of St. John's (metropolitan population 153,383), the capital city of the province of Newfoundland and Labrador.

The St. John's campus consists of the arts-administration building, the Queen Elizabeth II Library, the science building, the chemistry-physics building, the G.A. Hickman Building (education), the physical education building, Thomson Student Centre, the 9-residence Paton College, the 5-residence Burton's Pond Complex, the M.O. Morgan Building (music), a services building, the S.J. Carew Building (engineering), a business administration building, the Robert A. Bartlett Building (C-Core), Queen's College, psychology laboratory, humanities buildings, the Health Sciences Centre housing medical, nursing and pharmacy schools as well as a teaching hospital. The Alexander Murray Building, home to the Centre for Earth Resources Research and the department of earth sciences, officially opens in the fall of 1990. The National Research Council has also established its Institute for Marine Dynamics on the St. John's campus.

In 1975, a regional college was established in Corner Brook on the province's west coast, offering first and second-year courses. In Corner Brook, a single complex houses all academic, athletic, service and residence facilities. The school of fine arts building officially opened in the fall of 1988. Both campuses are well equipped with ramps, elevators and other facilities for disabled students.

Memorial opened a residential campus in Harlow, England in 1969 as a place for students to stay while studying at special placements, such as teacher internships or co-operative education work-terms. The campus consists of 3 buildings which provide living and eating accommodations for students and faculty.

Libraries

The university library system consists of the Queen Elizabeth II Library, the Curriculum Materials Centre, health sciences library and the Sir Wilfred Grenfell College library at Corner Brook. These 4 units house more than 2,000,000 books, periodicals, microforms and government documents, and are the major information resource for the province as well as the university.

Programs and Degrees

Bachelor's degrees generally require 4 to 5 years (40-50 credits) from Grade 12 unless otherwise specified. Master's degrees require at least 1 year from bachelor's degrees and doctorates require a minimum 3 years from bachelor's degrees or 2 years from master's degrees unless otherwise specified.

Courses at Memorial are usually assigned a credit value of 1 or 2. A 1-credit course normally requires 3 lecture hours per week for 1 semester. A 2-credit course would normally span 2 semesters.

* Ordinary member, AUCC

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts

Bachelor of arts(BA) general program, 4 years from Grade 12. Honors program, 4 years from Grade 12.
Bachelor of arts, police studies (BA-Police Studies) 4 years; open only to serving police officers.
Master of arts (MA)
Master of philosophy (MPhil) At least 16 months from BA.
Doctor of philosophy (PhD) At least 1 year in residence required.

Business administration and commerce

Bachelor of commerce (BComm) Co-operative work/study program. Forty-seven academic courses and 3 work periods. Also available is a general degree program, a 40 credit program intended for part-time students who have had at least 1 year continuous full-time work experience.
Master of business administration (MBA) At least 2 years full-time.

Education

Bachelor of education (primary) [BEd (primary)] 50 course program. Admission to program only after completion of 8 courses other than those in education with an average of at least 55%.
Bachelor of education (elementary) [BEd (elementary)] 50 course program. Admission to program only after completion of 8 courses other than those in education with an average of at least 55%.
Bachelor of education (BEd) Conjoint with either BA, BSc or BPE. Five-year program. Students must be admitted to the BA, BSc or BPE component first before being considered for admission to the BEd.
Bachelor of music/Bachelor of music education (conjoint) 5-year program. Students must be admitted to the bachelor of music before being considered for admission to the bachelor of music eduation.
Bachelor of special education. Twelve course second degree program. To be considered for admission, students must hold an education degree deemed appropriate by the faculty of education.
Bachelor of vocational education. (1) Four year program for students who possess an occupational training diploma or certificate and at least 1 year of work experience in occupational field. (2) Twelve course program for students who possess an appropriate degree from a recognized university and at least 1 year of work experience.
Diploma in industrial arts. Ten-course program for students who possess a degree in education from a recognized university or college.
Diploma in adult education. Ten-course program.
Diploma in native and northern education (MUNNTEP) 1-year program for students who possess an education or an appropriate degree from a recognized university.
Diploma in native and northern education in Labrador (TEPL) 2-year program.
Bachelor of education (native and northern) [(BEd (N&N)] 5-year program.
Diploma program in school resource services. One-year program for students who possess a degree in education or equivalent from a recognized university and 2 years experience as a classroom teacher.
Graduate diploma in education. Offered only in the area of educational administration. Eight-course program for students who possess an undergraduate degree recognized by the senate and 10 undergraduate courses in education with an average of at least B.
Master of education (MEd) Offered in the following areas: Curriculum and instruction, learning resources, educational administration, educational foundations, educational psychology and teaching. One year of study after completion of a first degree in education or equivalent. Thesis, project or internship required.

Engineering

Bachelor of engineering (BEng) Students enter general studies after Grade 12 to take courses at first-year level. Five years of study required after completion of general studies. Those entering from general studies must normally have at least 2 credits in each of English, mathematics, physics, chemistry and an elective with an average of at least 65%.
Master of engineering (MEng) Minimum 2 semesters full-time study from first degree. Thesis, project or report required.
Doctor of philosophy (PhD)

Fine arts

Bachelor of fine arts in visual arts [BFA(visual arts)] 4 years from Grade 12.
Bachelor of fine arts in theatre [BFA(theatre)] 4 years from Grade 12.

Forestry

The forestry programs of Memorial University and the University of New Brunswick are integrated. The equivalent of UNB's first 2 years is available at Memorial. Upon satisfactory completion of this, the student is admitted into the third year of the 5-year UNB program.

Medicine

Bachelor of medical science (BMedSc) 2 years beyond admission to the faculty.
Doctor of medicine (MD) 2 years beyond successful completion of BMedSc or equivalent.
Master of science in medicine (MSc)
Doctor of philosophy (PhD)

Music

Bachelor of music (BMus) 4 years from Grade 12.

Nursing

Diploma in community and primary health care nursing.
Diploma in mental health and psychiatric nursing.
Bachelor of nursing (BN) 3 programs: "A" for basic students; "B" for registered nurses; "C" for registered nurses intending to specialize in outpost nursing. All programs 5 years after Grade 12.

Diploma in outpost nursing.
Diploma in nurse-midwifery.

Pharmacy
Bachelor of science in pharmacy [BSc(Pharm)] 5 years from Grade 12.

Physical education
Bachelor of physical education. Forty-course program including the 10 first year courses required for admission.
Master of physical education (MPE) 1 year of full-time study with an undergraduate degree in physical education or equivalent. Thesis, project or internship required.

Science
Bachelor of science (BSc) general program, 4 years from Grade 12. Honors program, 4 from Grade 12.
Master of science (MSc)
Master of philosophy (MPhil) At least 16 months from BA.
Doctor of philosophy (PhD) At least 1 year in residence required.

Social work
Bachelor of social work (BSW) 2 programs: BSW as first degree and BSW as second degree. Five years from Grade 12.
Master of social work (MSW)

Special programs
Co-operative engineering and business programs provide for alternate work/study periods over 5 years for undergraduate students.

Foundation courses allow students entering university with deficiencies in certain subject areas to take courses for upgrading purposes. Necessitates staying in university 1 extra term (May to August) to catch up with normal first-year program.

Education internship program initiated by faculty of education enables students to complete 2 semesters of on-campus study followed by 1 semester of student teaching and other related on-the-job teacher training in selected schools.

The university established the Institut Frecker in St. Pierre, France, in 1973. Students can enrol in the 5-credit program offered by Memorial in St. Pierre in the fall and winter semesters. An immersion course starting in May is available to students across Canada under a summer bursary program funded by the federal government. Students are taught in the Institut Frecker facilities and housed "en pension" with local families.

Continuing education
Summer session: Many departments offer summer session courses on campus or at Grand Falls and Corner Brook. Summer session students do not, because of timetable restrictions, take more than 3 courses per session.

Off-campus centres: Off-campus courses are taught in 40 centres in Newfoundland and Labrador through use of audio-teleconferencing and video. A variety of professional short courses are also offered throughout the year in various centres of the province.

Correspondence: Memorial University offers a large variety of correspondence courses which incorporate print, video and audio technologies. Correspondence courses taken at other institutions are now recognized for credit at Memorial University.

Certificate courses: Certificate courses in business administration and public administration; Institute of Canadian Bankers program; criminology and library studies are offered through the division of continuing studies.

General interest courses: Courses of varying duration are offered both on- and off-campus through the division of extension service.

Admission Requirements

Undergraduate
Newfoundland and Labrador: Grade 12 public examinations or examinations of a school accredited by the Department of Education with a pass mark of 50% in each of the following courses at the 3,000 level and an overall average of not less than 60%: English Grade 11 and 12; advanced or academic mathematics; 4 credits in a laboratory science; a social studies subject or a modern or classical language; and 2 elective credits. Any student who obtains an overall average of 70% in the required number of courses but fails 1 or 2 subjects may be admitted upon the recommendation of the committee on admissions. Students who intend to take a university course in the subject failed will normally be required to succeed in an appropriate foundation course. In extenuating circumstances, students not meeting general admission requirements may be admitted. These students must present to university admissions committee, at least 1 week before beginning of semester to which admission is sought, a letter from their school principal or guidance counsellor explaining grounds for requesting special consideration.

Other provinces: British Columbia: Grade 12 school leaving certificate. Alberta, Saskatchewan, Manitoba: Grade 12 certificate or equivalent. Ontario: SSGD with minimum 27 credits. Quebec: Applicants with secondary V certificate considered; university preparatory CEGEP courses considered for credit on individual basis. New Brunswick: Grade 12 school leaving certificate. Nova Scotia: Grade 12 certificate or equivalent. Prince Edward Island: Grade 12 school leaving diploma. Pass mark of 50% in required courses with overall average of not less than 60%. In addition to transcripts of high school records, applicants from other Canadian provinces who are seeking credit for senior matriculation subjects are required to submit official outlines of courses claimed for credit. These outlines should be obtained from the applicant's high school.

Mature students

Applicants who are 21 years of age or older within 1 month after the beginning of semester or session to which admission is sought and who have not fulfilled matriculation requirements may be admitted. Must submit birth certificate, 2 letters of reference, letter explaining grounds for requesting special consideration, high school marks and marks from postsecondary institutions if applicable.

Senior citizens

Seniors, 60 years or older, are exempt from tuition fees. The only admission requirement is proof of age.

Graduate

Admission to master's programs limited and on competitive basis. Applicants must hold bachelor's degree, preferably honors, with minimum B average in proposed field of specialization or equivalent. Must also be recommended by department of specialization. Applicants to doctoral programs must hold master's or equivalent or bachelor's degree with honors standing and must satisfy university of competence to proceed with program.

International students

Memorial University does not offer financial assistance to students from outside the province of Newfoundland.

A $25 application fee required for appraisal of documents in addition to the normal application processing fee of $25.

UK: GCE or Scottish leaving certificate with O-level or lower level passes in 5 acceptable subjects. Scottish leaving certificate (higher level courses only) will generally be acceptable for advanced credit at first-year university level. GCE, A-level subjects generally accepted for credit to a maximum of 4 credits for each subject provided that the candidate satisfies departmental regulations and obtains a minimum grade of D in each subject claimed for credit.

USA: High school university preparatory program (Grade 12) with average mark equivalent to college recommending mark. Must include 16 units in academic subjects with 4 units of English, 2 units of mathematics and 10 units in selected subjects from humanities, sciences and social sciences.

Hong Kong: GCE O-level passes in 5 acceptable academic subjects with proficiency in English as demonstrated by the Michigan Test (85%) or Test of English as a Foreign Language (TOEFL), with minimum score of 550.

West Indies and West Africa: GCE O-level passes in 5 acceptable academic subjects.

Application Deadlines

Applications must be received by April 1 for fall semester, by October 1 for winter semester and by February 1 for spring semester.

Academic Year

The university operates 3 semesters along with a 6-week summer session and a 6-week intersession. Fall semester: September to mid-December. Winter semester: January to mid-April. Spring semester: May to mid-August. Intersession: May to mid-June. Summer session: Mid-June to mid-August. Duration of each semester is normally 16 weeks. All courses are 1 semester in length.

Grading System

Students must obtain an average of at least 1 point per semester course in order to qualify for a degree. Grades awarded are as follows; A, 80-100%, 3 points per course; B, 65-75%, 2 points per course; C, 55-60%, 1 point per course; D, 50%, pass, no point; F, 45% and below or failure to write examination without acceptable cause. Passing grade on all examinations for graduate courses, A or B (exception is MBA, where 2 grades of C are permitted if not in same course).

Student Life and Services

All undergraduates of the university are represented by the council of the students' union. The objectives of the union are to promote artistic, literary, educational, social, recreational, charitable and sporting activities for the advancement of the interests of its members and others; to act as the official organization of the students; and to co-ordinate, promote and direct the activities of the students. Undergraduate students elect a president, 4 vice-presidents and 25 councillors.

The graduate students' union promotes the interests and general welfare of all graduate students in the university. Membership is open to all graduate students, postdoctoral and other research and teaching fellows. The members of the executive council are elected annually.

Paton College, the university residential college, consists of 9 residence houses accommodating 474 women, 411 men. Each house has double bed/study rooms, lounges, television room, study room, computer room and laundry facilities. Two dining halls serve the residences. In addition, a 500-student residential complex contains apartment-style units, each accommodating 4 students, as well as married student apartments. There are also 3 church- operated residential colleges adjacent to the campus.

The office of student affairs and services provides assistance in personal and social matters, particularly with problems associated with university life. The division includes such student services as housing, health, employment and placement, counselling, scholarships, emergency loan program, bookstore, food services, international student advisor and the contact for students with disabilities telephone, 737-7593.

A student health centre, staffed by physicians and a nurse, is open for clinics Monday to Friday. A university group health plan is compulsory for all international students as they are not covered under the provincial health insurance scheme. Payment for the year is

required at the time of registration. Pro-rated fees will be charged for students entering the university in the winter semester.

The counselling centre has a staff of qualified psychologists and the service is available free to all students.

The Canada Employment and Immigration Commission in co-operation with the university maintains a year-round Canada Employment Centre on campus. The centre assists graduates and undergraduates to obtain permanent, summer and part-time employment and assists employers who wish to recruit at Memorial University.

Research Institutes

Archaeology Unit. Chairman: J.A. Tuck, BA, PhD

Centre for Cold Ocean Resources Engineering (C-CORE). Director: J.I. Clark, BSc, BEng, MSc, PhD, PEng

Centre for Earth Resources Research. Acting director: B.J. Fryer, BSc, PhD

Centre for Management Development. Director: R.W.P. Blake, BA(Com), MBA, PhD

Don Snowden Centre for Development Support Communications. Director: T. Williamson, AB, MA

Folklore and Language Archive (FLA). Director: N.V. Rosenberg, BA, MA, PhD

Institute for Educational Research and Development. Director: W.H. Spain, BS, MEd, PhD

Institute of Social and Economic Research (ISER). Acting director: R.P.B. Paine, MA, DPhil, FRSC

International Reference Centre for Avian Hematoza. Head: G.F. Bennett, BA, MA, PhD

Labrador Institute of Northern Studies. Acting director: C. Brice-Bennett, BA, MA

Maritime History Archive. Archivist: H. Wareham, BA

Maritime Studies Research Unit. Chairman: G. Panting, BA, MA

Memorial University Botanical Garden at Oxen Pond. Curator: B.S. Jackson

Ocean Sciences Centre (OSC). Director: L.R. Haedrich, AB, AM, PhD

Research Chairs

Fishery Products International/National Sea Products Chair in Fisheries Oceanography. J.S. Wrohewski, BSc, MSc, PhD

NSERC/Mobil Industrial Research Chair. Aimed at resolving problems in the area of ice mechanics and using statistics of ice occurence and ice properties to develop rational and safe design criteria for offshore structures. I.J.J. Jordaan, BSc, MSc, PhD, CEng, PEng

NSERC/Petro Canada Industrial Research Chair in Marine Crustal Seismology. J. Hall, BSc, DIC, PhD

Affiliated College

Queen's College, Prince Philip Drive, St. John's, Newfoundland A1B 3R6 Telephone, (709) 753-0116. The college, established in 1841 as a training centre for the Anglican clergy, moved to the Memorial University campus in 1967 where it served a co-ed residential purpose primarily. Theological studies, discontinued for a decade were re-instituted in 1982. Dean of students: Rev. D.N. Oliver, BTh, MA

Regional College

Sir Wilfred Grenfell College, Corner Brook, Newfoundland A2H 6P9 Telephone, (709) 639-8981. First and second-year university courses offered are identical to those offered at the St. John's campus. In addition the fine arts program is offered from the Corner Brook campus. Principal: C.F. Poole, BA, MA, PhD

Université de Moncton*

Renseignements généraux

Adresse : Moncton (Nouveau-Brunswick) E1A 3E9
Téléphone : (506) 858-4129
Télex : 041-353
Télécopieur : (506) 858-4379

Recteur : Jean-Bernard Robichaud, BA, MA, PhD

Demandes de renseignements : Prière d'adresser la correspondance d'ordre général au secrétaire général, Gilles Long, BA, BEd, MPs(O)

Agents de liaison : Yoland Bordeleau (Moncton), Roger Boulay (Shippagan), Léopold Lang (Saint-Louis-Maillet)

Pour chaque centre universitaire, s'adresser au:

Registraire
Pavillon Léopold-Taillon
Centre universitaire de Moncton
Moncton (Nouveau-Brunswick) E1A 3E9
Téléphone : (506) 858-4113; appels sans frais : 1-800-561-3996 pour les indicatifs régionaux 506, 418, 902, 709.

Registraire
Centre universitaire de Shippagan
Shippagan (Nouveau-Brunswick) E0B 2P0
Téléphone : (506) 336-4761; appels sans frais : 1-800-332-3986 pour l'indicatif régional 506.

Registraire
Centre universitaire Saint-Louis-Maillet
Edmundston (Nouveau-Brunswick) E3V 2S8
Téléphone : (506) 735-8804; appels sans frais : 1-800-561-9064 pour les indicatifs régionaux 506, 418, 902, 709.

Professeurs à temps plein (1989-1990) : 345

Historique et statuts

L'Université de Moncton fut créée par une loi de la législature du Nouveau-Brunswick le 19 juin 1963. Ses origines remontent à 1864, date de la fondation du Collège Saint-Joseph qui recevait, 4 ans plus tard, le pouvoir de conférer des grades universitaires. Deux autres établissements de langue française de la province recevaient des pouvoirs identiques : le Collège du Sacré-Coeur de Bathurst en 1900, et le Collège Saint-Louis d'Edmundston en 1947. Une commission royale d'enquête, établie au mois de mai 1961 par le gouvernement provincial, recommanda la création d'une université centrale de langue française à laquelle seraient affiliées les 3 maisons possédant antérieurement des chartes. Les autres établissements existants seraient annexés à ces collèges. L'ensemble des collèges affiliés et annexés constituerait la faculté des arts de l'université. Le gouvernement provincial adopta cette formule par une mesure législative votée à la législature du Nouveau-Brunswick en 1963.

Le 9 juin 1972, un amendement à la charte crée une faculté des arts complètement autonome des collèges affiliés; les collèges de Bathurst, Saint-Louis-Maillet et de Shippagan deviennent directement affiliés à l'université.

En 1974, le Collège de Bathurst a cessé d'exister. Suite à un nouvel amendement à la charte en 1977, Saint-Louis-Maillet et Shippagan font partie intégrante de l'Université de Moncton; l'Université de Moncton est présentement répartie en 3 centres universitaires situés à Moncton, Edmundston et Shippagan.

Depuis le mois de juin 1967, l'université est administrée par un conseil des gouverneurs. Un sénat universitaire constitue l'autorité suprême en tout ce qui concerne l'enseignement et la recherche.

Mandat international

L'université s'est impliquée dans divers projets dans les pays en voie de développement, tels que des projets de coopération en agriculture et nutrition, la formation et le perfectionnement des maîtres, des stages et échanges académiques, la recherche conjointe et des missions d'enseignement outre-mer. L'initiative pour ces activités surgit, de façon décentralisée, des divers membres de la communauté universitaire. L'université offre également un programme d'enseignement destiné à favoriser des relations internationales harmonieuses, et prépare un programme d'étude en matière de coopération internationale. S'adresser à : Rhéal Bérubé, directeur du développement universitaire. Téléphone : (506) 858-4556.

Bibliothèques

Les bibliothèques de l'université ont une collection de 525 000 volumes et sont dépositaires des publications gouvernementales canadiennes.

Programmes et grades

En règle générale, l'obtention du baccalauréat requiert 4 années d'études après les études secondaires, à moins d'indication contraire.

Trois crédits représentent d'ordinaire 3 heures de cours par semaine pendant une session.

On trouvera des détails sur les programmes au chapitre **Programmes préparant à un grade, un diplôme ou un certificat**.

Administration
Baccalauréat en administration des affaires (BAA) 4 ans après les études secondaires.
Baccalauréat en gestion des pêches (BGP) 4 ans après les études secondaires.
Diplôme de secrétariat bilingue 2 ans après les études secondaires.
Diplôme de techniques administratives 2 ans après les études secondaires.

* Membre ordinaire de l'AUCC

Maîtrise en administration des affaires (MBA) 2 ans après le baccalauréat.

Arts
Baccalauréat ès arts (BA) 4 ans après les études secondaires.
Baccalauréat en musique (BMus) 4 ans après les études secondaires.
Baccalauréat en art dramatique (BAD) 4 ans après les études secondaires.
Baccalauréat en traduction (BT) 4 ans après les études secondaires.
Baccalauréat en arts visuels (BAV) 4 ans après les études secondaires.
Maîtrise ès arts (MA) 2 ans après le BA avec spécialisation. Thèse.
Maîtrise en français (MFr) 1 an. Sans thèse.
Doctorat en études françaises (PhD) au moins 3 sessions à temps complet. Thèse.
Programme d'immersion en français langue seconde. Un an après les études secondaires.

Droit
Baccalauréat en droit (LLB) 3 ans après le baccalauréat.
Programme de 3 sessions pour le détenteur du baccalauréat ou de la licence en droit civil.
Certificat d'études en Common Law (CECL) 1 an après le diplôme en droit civil.

Éducation
Baccalauréat en éducation (BEd) 1 an après un premier baccalauréat ou 4 années consécutives après les études secondaires.
Baccalauréat en éducation physique (BEP)
Baccalauréat en loisir (BL)
Baccalauréat en éducation (BEd) préscolaire et élémentaire, élémentaire, secondaire, technologie des affaires, technologie de l'industrie, éducation spéciale 4 quatre ans après les études secondaires.
Maîtrise en éducation (MEd) 1 an après le baccalauréat en éducation.
Maîtrise ès arts en éducation [MA(Ed)] 1 an après le baccalauréat en éducation. Thèse.

Études supérieures et recherche
Maîtrise en administration publique (MAP) 2 ans après le baccalauréat.
Programme combiné LLB-MAP 4 ans après le baccalauréat.

Génie
Baccalauréat ès sciences appliquées (BScA) 5 ans après les études secondaires. Diplôme de génie général 3 ans après les études secondaires.
Maîtrise ès sciences appliquées (MScA) au moins 1 an après le baccalauréat ès sciences appliquées.

Nutrition et études familiales
BSc (nutrition) 4 ans après les études secondaires.
BSc (études familiales) 4 ans après les études secondaires.
MSc (nutrition-alimentation) au moins 3 sessions après le baccalauréat spécialisé.
MSc (études familiales) au moins 3 sessions après le baccalauréat spécialisé.

Sciences forestières
Baccalauréat en sciences forestières (BScF-aménagement des forêts) 5 ans après les études secondaires.

Sciences infirmières
Baccalauréat en sciences infirmières [BSc(Inf)] 4 ans après les études secondaires. Pour les infirmières immatriculées, le programme comporte 3 années d'études.

Sciences pures
Baccalauréat en informatique appliquée (BIA) 4 ans après les études secondaires.
Baccalauréat ès sciences (BSc) 4 ans après les études secondaires.
Diplôme en sciences de la santé (DSS) 2 ans après les études secondaires.
Diplôme d'études en sciences agronomiques (DEScA) 3 ans après les études secondaires.
Maîtrise ès sciences (MSc) au moins 1 année après le BSc avec spécialisation.

Sciences sociales
Baccalauréat en psychologie (BPs) 4 ans après les études secondaires.
Baccalauréat ès arts en psychologie [BA(SpPs)] 4 ans après les études secondaires.
Baccalauréat en sciences sociales (BScSoc) 4 ans après les études secondaires.
Baccalauréat en service social (BSS) 4 ans après les études secondaires.
Maîtrise ès arts (économie) (MAEc) 2 ans après le baccalauréat avec spécialisation. Thèse.
Maîtrise en économie (MEc) au moins 12 mois consécutifs après le baccalauréat avec spécialisation.
Maîtrise ès arts (psychologie) [MA(Ps)] 2 ans après le baccalauréat en psychologie. Thèse.
Maîtrise en service social (MSSoc) au moins 10 mois après le baccalauréat en service social.

Éducation permanente
La section des diplômes universitaires offre des cours conduisant à la maîtrise, au baccalauréat, au diplôme et au certificat.

Les cours offerts par la division de la promotion collective s'adressent aux personnes désireuses de poursuivre leur éducation mais ne comportent pas de crédits universitaires. On y trouve des cours de perfectionnement professionnel, de culture, de langue et de civilisation acadienne.

L'éducation permanente décentralise le plus possible ses cours dans les différents centres acadiens des provinces maritimes afin de permettre aux adultes de poursuivre des études universitaires à temps partiel.

Conditions d'admission

1er cycle

Nouveau-Brunswick : Les candidats doivent être titulaires d'un diplôme de fin d'études secondaires. Le formulaire de demande d'admission doit être accompagné d'un relevé officiel complet des notes des études secondaires.

Autres provinces : Les candidats du Québec doivent avoir complété le secondaire V avec une moyenne cumulative de 60 %; les candidats du cegep peuvent obtenir des équivalences sur présentation du dossier complet. Les candidats des autres provinces doivent être titulaires du diplôme d'études secondaires de leur province et avoir suivi le programme complet préparatoire à l'université.

2e cycle

Les conditions d'admission aux programmes de maîtrise sont particulières à chaque faculté ou école. En général, il faut être titulaire d'un premier baccalauréat avec concentration ou spécialisation dans le domaine d'étude.

Pour être admissible au nouveau programme de doctorat en études françaises, il faut être titulaire de la maîtrise en français.

Étudiants adultes

Un étudiant qui n'a pas terminé sa 12e année mais qui a quitté l'école depuis 2 ans peut être admis à l'essai par le doyen ou le directeur.

Étudiants du troisième âge

Les étudiants de 65 ans et plus ne paient pas de droits de scolarité, mais doivent satisfaire aux conditions normales d'admission. Chaque cas est étudié individuellement.

Étudiants étrangers

Les diplômes des étudiants des autres pays sont évalués par le comité des admissions de la faculté ou de l'école concernée. Les étudiants non canadiens sont tenus de passer une épreuve en langue française.

Les candidats détenteurs du baccalauréat international sont admissibles. Date limite de réception des demandes d'admission : 1er février.

Note : L'université utilise le français comme langue d'enseignement. A l'éducation permanente, un certain nombre de cours sont offerts aux adultes anglophones.

Demandes et délais

Les dates limites de réception des demandes d'admission

a) session d'automne - personne résidant au Canada; 1er juin : personne résidant à l'étranger; 1er février

b) session d'hiver - personne résidant au Canada; 15 novembre : personne résidant à l'étranger; 1er septembre.

Année universitaire

Session régulière : du début septembre à la fin avril. Cours d'été : du début juillet à la mi-août. Session intensive : de mai à juin.

Système de notation

Système de promotion basé sur le calcul de moyennes pondérées et cumulatives allant de 0,0 à 4,0.

Vie étudiante et services aux étudiants

Chaque centre possède son association étudiante. Les droits d'association peuvent varier d'un centre à l'autre.

Les départements de la vie étudiante offrent les services suivants : orientation et information professionnelle et counselling; logement sur le campus et hors campus; aide financière et fonds de dépannage; placement avec la coopération du Centre d'emploi du Canada et la Communauté chrétienne universitaire. L'université, en collaboration avec les étudiants, assure les services suivants : activités sportives intra-muros et intercollégiales, cafétéria, librairie et comité artistique. Les services médicaux sont gratuits.

Le comité d'accessibilité des bâtiments aux handicapés s'intéresse aux besoins des étudiants handicapés.

Un conseiller spécialisé est à la disposition des étudiants étrangers.

Chaque centre universitaire dispose de résidences. Prière de s'adresser au responsable du logement du centre universitaire visé pour connaître les disponibilités et les coûts.

Centres de recherche

Centre de commercialisation internationale. Directeur : Mohamed Zeitoun

Centre de développement et de recherche dans le domaine de la tourbe. Directeur : Jean-Yves Daigle

Centre de documentation et d'études madawaskayennes. Directeur : Luc LeFrançois, Centre universitaire Saint-Louis-Maillet

Centre de génie éolien. Directeur : Dinh Vo Ngoc

CADMI - Microelectronics-Microélectronique Inc. Directeur : Sadek Eid

Centre de recherche en conversion d'énergie. Directeur : Samuel Sami

Centre de recherche en informatisation du travail en Afrique de l'Ouest. Responsable : Georges Wybouw

Centre de recherche en linguistique appliquée. Directeur : Louise Peronnet

Centre de recherche en sciences administratives.

Centre de recherche en sciences de l'environnement. Directeur : Victorin Mallet

Centre de recherche et de développement en éducation. Directeur : Rodrigue Landry

Centre de recherche sur les aliments. Directeur : Auréa Cormier

Centre de ressources pédagogiques. Directeur : Berthe Boudreau

Centre de technologie manufacturière. Directeur : Badek Eid

Centre de traduction et de terminologie juridiques. Directeur : Gérard Snow

Centre d'études acadiennes. Directeur : Ronald Labelle

Centre d'études du vieillissement. Directeur : Pierre Ouellette

Centre international de la common law en français. Directeur : Michel Doucet

Groupe d'étude en modélisation économique d'analyse de politiques. Responsables : Ronald C. LeBlanc et Michel Deslierres

Groupe de recherche et d'interprétation sociales. Responsable : Paul Grell

Groupe de recherche sur les couches minces et l'énergie solaire. Responsable : Truong Vo-Van

Institut canadien de recherche sur le développement régional. Directeur : Donald Savoie

Institut de leadership en éducation physique et loisirs. Directeur : Vance Toner

Institut d'entrepreneuriat de L'Atlantique. Directeur : Pat Blanchard

Laboratoire de recherche en biologie marine. Direction conjointe : Gérard Conan et Francis Weil

Chaires de recherche

Chaire Clément-Cormier de recherche de développement régional. Titulaire : Donald Savoie

Chaire d'études acadiennes. Titulaire : Marguerite Maillet

Chaire d'études coopératives. Titulaire : Léandre Desjardins

Chaire l'Assomption en administration des affaires. Titulaire : Léandre Bourque

Université de Montréal*

Renseignements généraux

Adresse : Case postale 6128, Succursale A, Montréal (Québec) H3C 3J7
Téléphone : (514) 343-6111
Télex : 052-67589
Télécopieur (Direction des communications) : (514) 343-5976

Recteur : Gilles G. Cloutier, OC, PhD, MSRC

Demandes de renseignements : Prière d'adresser la correspondance d'ordre général au secrétaire général, Michel Lespérance, LLL

Agents d'admission : R. Belzil, G. Bienvenue, D. Boileau, J. Bourguignon, C. Fagnan, R. Faulkner, L. Longtin. Téléphone : (514) 343-7076

Professeurs à temps plein et demi-temps (1988-1989) : 1 813*
*Ce total ne comprend pas les 766 professeurs de clinique de la Faculté de médecine, les 518 chargés de formation clinique, les 43 chargés de formation pratique, les 50 professeurs associés, les 2 148 chargés de cours, les 167 chargés de clinique, les 235 chercheurs.

Historique et statuts

En 1876, à la suite d'une demande faite par Mgr Ignace Bourget, évêque de Montréal, la sacrée congrégation de la Propagande proposa à l'Université Laval d'établir à Montréal une succursale où l'on donnerait la même formation qu'à Québec. L'enseignement fut inauguré en 1878 dans les facultés de théologie et de droit. En vertu de la constitution apostolique Jamdudum du 2 février 1889, la succursale devint pratiquement indépendante de la maison de Québec; elle recevait encore ses grades du conseil universitaire de Québec mais elle possédait une administration locale complète. En 1919 et 1920, la succursale devint entièrement autonome de droit et de fait; elle prit le nom d'Université de Montréal et conféra ses premiers grades en 1921. Dans l'ordre canonique, elle fut d'abord régie, à partir du 8 mai 1919, par un rescrit préparatoire à une bulle pontificale. La charte civile lui a été octroyée par la Législature provinciale du Québec, le 14 février 1920. Le 30 octobre 1927, elle recevait de Rome la bulle définitive. Une nouvelle charte administrative est entrée en vigueur le 5 juin 1950; elle a été abrogée par la charte actuelle qui date du 1er septembre 1967 et qui en fait une université à caractère public.

En vertu de sa charte, l'administration générale de l'université relève des corps universitaires suivants : le conseil, le comité exécutif, l'assemblée universitaire, la commission des études. Le conseil de l'université exerce tous les droits de l'université et tous les pouvoirs nécessaires à l'administration et au développement de celle-ci. Il se compose de 24 membres. Le comité exécutif assure l'exécution des décisions du conseil et en exerce tous les pouvoirs sauf ceux que les statuts attribuent exclusivement au conseil ou que celui-ci se réserve. L'assemblée universitaire énonce les principes généraux qui président à l'administration générale et fait les règlements relatifs au statut des professeurs et à la discipline universitaire. La commission des études assure la coordination de l'enseignement et est responsable de l'organisation pédagogique de l'université; celle-ci est essentiellement l'assemblée des doyens et des directeurs des écoles affiliées.

Mandat international

Le bureau de la coopération internationale développe la politique de l'université dans ce domaine, et conseille l'université dans les négociations d'ententes. Il assure la liaison avec les agences externes et fait la promotion de la coopération internationale. De plus, il coordonne les actions de coopération internationale, facilite leur mise en oeuvre et négocie les contrats de coopération. Finalement, le bureau coordonne l'accueil et l'élaboration des programmes des visiteurs en mission, prend en charge les dossiers des étudiants étrangers avant leur arrivée et administre les programmes d'échanges. S'adresser à : Lionel Vallée, directeur, bureau de la coopération internationale. Téléphone : (514) 343-7337.

Terrains et bâtiments

Le campus de l'Université de Montréal qui s'étend sur le versant nord-ouest du Mont-Royal couvre une superficie d'environ 661 000 m2. Outre les pavillons d'administration et d'enseignement, le campus comprend des bibliothèques, un centre de calcul, des résidences d'étudiants, une garderie et un imposant centre d'éducation physique et des sports comportant notamment une patinoire, un terrain de football avec surface synthétique, une salle et des plateaux permettant la pratique, à l'intérieur, d'une centaine de sports, un bassin de plongeon et un bassin de 50 m pour la natation. En dehors du complexe universitaire du Mont-Royal, l'université dispose d'importantes annexes : à 42 km, dans la ville de Saint-Hyacinthe, la faculté de médecine vétérinaire; dans le sud-est de la province, l'Observatoire astronomique du mont Mégantic doté d'un télescope de 1,60 m; à Saint-Hippolyte, dans le massif des Laurentides, pour les besoins d'études sur l'environnement et la biologie, une "réserve naturelle" de 1 571 hectares pourvue de laboratoires.

Bibliothèques

L'université met à la disposition de ses professeurs, de ses étudiants et de son personnel les ressources du service des bibliothèques. Le fonds documentaire est constitué de 3 558 587 imprimés et microtextes et de 136 597 documents audiovisuels.

* Membre ordinaire de l'AUCC

Programmes et grades

A moins d'indication contraire, l'obtention du baccalauréat requiert 3 années (90 crédits) d'études après le DEC ou l'équivalent, la maîtrise exige 3 trimestres d'études après l'obtention du baccalauréat et le doctorat 6 trimestres d'études après la maîtrise. Le crédit représente 45 heures consacrées par l'étudiant à une activité pédagogique (cours, stage, recherche) en incluant dans chaque cas, s'il y a lieu, le nombre moyen d'heures de travail personnel nécessaire suivant l'estimation de l'université.

On trouvera des détails sur les programmes au chapitre **Programmes préparant à un grade, un diplôme ou un certificat.**

Administration des affaires

Baccalauréat en administration des affaires (BAA)
Diplôme en gestion bancaire (DGB) 3 trimestres après un diplôme de 1er cycle ou l'équivalent et une expérience de travail pertinente.
Diplôme d'études spécialisées en gestion d'entreprises pétrolières.
Diplôme d'études spécialisées en gestion d'organismes culturels 3 trimestres après un diplôme de 1er cycle ou l'équivalent et une expérience de travail pertinente.
Diplôme d'études spécialisées en gestion de projets d'ingénierie et d'aménagement (conj. avec la faculté de l'aménagement, École Polytechnique, École des Hautes Études Commerciales) 3 trimestres après un baccalauréat.
Diplôme en sciences administratives (DSA) 3 trimestres après un diplôme de 1er cycle ou l'équivalent et une expérience de travail pertinente.
Maîtrise en administration des affaires (MBA) 6 trimestres après un diplôme de 1er cycle et une expérience de travail pertinente.
Maîtrise en sciences de la gestion (MSG) 4 trimestres après le BAA.
Philosophiae doctor en administration (PhD) (conjoint avec l'UQAM, Concordia et McGill) 2 ans après un MBA ou après une maîtrise dans une discipline connexe. Thèse.

Aménagement, architecture, urbanisme

Certificats
Baccalauréat en architecture (BArch) 4 ans après le DEC ou l'équivalent.
Baccalauréat en architecture de paysage (BAr) 4 ans après le DEC ou l'équivalent.
Baccalauréat en design industriel (BDI) 4 ans après le DEC ou l'équivalent.
Baccalauréat en urbanisme (BUrb) 3 ans après le DEC ou l'équivalent.
Maîtrise en aménagement (MScA) 3 trimestres après un baccalauréat. Mémoire.
Maîtrise en urbanisme (MUrb) 4 trimestres après un baccalauréat spécialisé. Mémoire.
Philosophiae doctor en aménagement (PhD) 6 trimestres après la maîtrise. Thèse.

Droit

Baccalauréat en droit (LLB)
Diplôme d'études spécialisées (droit) (DES) 2 ans après le LLB.
Diplôme de droit notarial (DDN) 2 trimestres après le LLB.
Maîtrise en droit (LLM) 3 trimestres après le LLB.
Doctorat en droit (LLD) 6 trimestres après le LLM. Thèse.

Éducation physique

Certificat
Baccalauréat ès sciences (éducation physique) (BSc)
Maîtrise ès sciences (éducation physique) (MSc) 3 trimestres après le BSc spécialisé.
Maîtrise ès sciences (sciences de l'activité physique) (MSc) 3 trimestres après le BSc spécialisé. Mémoire.
Philosophiae doctor (sciences de l'activité physique) (PhD) 6 trimestres après la MSc. Thèse.

Études médiévales

Maîtrise ès arts en sciences médiévales (MA) 3 trimestres après un grade de 1er cycle approprié.
Philosophiae doctor en sciences médiévales (PhD) 6 trimestres après la MA. Thèse.

Génie

Certificat
Baccalauréat en ingénierie (BIng) 4 ans après le DEC.
Diplôme d'études spécialisées (DES) 2 trimestres après le BIng ou un grade de 1er cycle de nature scientifique et une formation jugée suffisante (peut être obtenu dans toutes les disciplines du génie).
Diplôme d'études spécialisées (ergonomie) (DES) (conjoint avec la faculté des études supérieures) 3 trimestres après un baccalauréat.
Maîtrise ès sciences appliquées (MScA) en ingénierie. Trois trimestres après le BIng ou un grade de 1er cycle de nature scientifique ou une formation équivalente. Mémoire.
Maîtrise en ingénierie (MIng) 3 trimestres après le BIng ou l'équivalent.
Maîtrise en aéronautique (MIng) 3 trimestres après le BIng ou l'équivalent.
Maîtrise en génie biomédical (MScA ou MIng) 3 trimestres après le BIng ou un grade de 1er cycle de nature scientifique ou une formation équivalente ou le MD, le DMD ou le DMV. (MScA conjointement avec la faculté de médecine).
Philosophiae doctor (génie biomédical) (PhD) 6 trimestres après la MIng, la MScA ou la MSc.
Maîtrise en mathématiques appliquées (MScA) 3 trimestres après le BIng ou un grade de 1er cycle de nature scientifique ou une formation équivalente.
Philosophiae doctor (PhD) ingénierie. 6 trimestres après la MScA ou la MIng. Thèse.

Histoire et sociopolitique des sciences

(La faculté des études supérieures n'admet pas de nouveaux étudiants à ces programmes)

Maîtrise ès sciences (histoire et sociopolitique des sciences) 4 trimestres après un grade de 1er cycle approprié ou en histoire. Mémoire.
Philosophiae doctor en histoire et sociopolitique des sciences (PhD) 6 trimestres après la MSc. Thèse.

Médecine
Certificats
Doctorat en médecine (MD) 5 ans après le DEC ou l'équivalent.
Baccalauréat ès sciences (nutrition) (BSc) 3 ans après le DEC.
Baccalauréat ès sciences (biochimie, ergothérapie, orthophonie et audiologie, physiothérapie) (BSc) 3 ans après le DEC.
Diplôme d'études spécialisées (biochimie clinique - prog. postdoctoral) (DES) 6 trimestres après un PhD.
Diplôme de toxicologie*. Deux trimestres après un diplôme de 1er cycle en sciences biologiques, chimie ou sciences de la santé.
Diplôme (santé communautaire) 2 trimestres après le MD, DMD, DMV ou diplôme de 1er cycle en sciences de la santé.
Maîtrise en administration des services de santé (MSc) 4 trimestres après un grade de 1er cycle et une expérience pratique pertinente.
Maîtrise en génie biomédical (MScA) 3 trimestres après le BSc, le MD, DMD, DMV. (conjointement avec l'École Polytechnique)
Maîtrise en médecine (MSc) 3 trimestres après le MD, DMD, le DMV ou le BSc spécialisé. Mémoire.
Maîtrise ès sciences (MSc) en anatomie, biochimie, biopathologie cellulaire, hygiène du travail et de l'environnement, microbiologie et immunologie, pharmacologie, physiologie, sciences biomédicales, sciences neurologiques. Trois trimestres après le MD, DMD, DMV, BSc. Mémoire.
Maîtrise en orthophonie et audiologie (MOA) 3 trimestres après le BSc. Mémoire.
Maîtrise ès sciences (nutrition) (MSc) maîtrise professionnelle. Trois trimestres après le BSc et expérience pratique pertinente. Mémoire.
Maîtrise ès sciences (nutrition) (MSc) maîtrise de recherche. Trois trimestres après le MD, DMD, DMV, ou le BSc spécialisé. Mémoire.
Maîtrise ès sciences (santé communautaire) (MSc) 4 trimestres après le MD, DMD, DMV, BSc en sciences infirmières, en nutrition ou dans un autre domaine des sciences de la santé.
Philosophiae doctor (PhD) en anatomie, biochimie, biopathologie cellulaire, microbiologie et imunologie, pharmacologie, physiologie, sciences biomédicales, sciences neurologiques. Six trimestres après la MSc. Thèse.
Philosophiae doctor (nutrition) (PhD) 6 trimestres après la MSc ou l'équivalent.
Philosophiae doctor (virologie) (PhD) (conjointement avec l'Institut Armand-Frappier. Six trimestres après la MSc.
Philosophiae doctor (génie biomédical) (PhD) 6 trimestres après la MScA ou la MSc. (cojointement avec l'École Polytechnique
Philosophiae doctor (santé communautaire) (PhD) 6 trimestres après la MSc.
Études médicales postdoctorales (Diplôme d'études spécialisées) (DES)

* Programme interdisciplinaire assuré par la F.E.S., la F.A.S., la faculté de médecine, la faculté de médecine vétérinaire, la faculté de pharmacie.

Médecine dentaire
Certificats
Doctorat en médecine dentaire (DMD) 4 ans après le DEC ou l'équivalent.
Certificat en orthodontie. Six trimestres après le DMD.
Certificat en pédodontie. Six trimestres après le DMD.
Certificat en résidence multidisciplinaire. Trois trimestres après le DMD.
Maîtrise en orthodontie (MSc) 3 trimestres après la première année du certificat en orthodontie.
Maîtrise en biologie dentaire (MSc) 3 trimestres après le DMD, ou le baccaulauréat ès sciences (option biologie), ou l'équivalent. Mémoire.

Médecine vétérinaire
Doctorat en médecine vétérinaire (DMV) 4 ans après le DEC.
Certificat d'internat de perfectionnement en sciences appliquées vétérinaires (IPSAV) 3 trimestres après le DMV.
Diplôme en médecine vétérinaire préventive (DMVP) 3 trimestres après le DMV. Mémoire.
Diplôme de toxicologie*. Deux trimestres après un diplôme de 1er cycle en sciences biologiques, chimie ou sciences de la santé.
Maîtrise ès sciences (anatomie et physiologie vétérinaires) (MSc) 3 trimestres après le DMV ou le BSc.
Maîtrise ès sciences (pathologie et microbiologie vétérinaires) (MSc) 3 trimestres après le DMV ou le BSc.
Maîtrise ès sciences (sciences cliniques vétérinaires) (MSc) 3 trimestres après le DMV ou le BSc.
Maîtrise ès sciences (biologie moléculaire) (MSc) 3 trimestres après le MD, DMD, DMV ou BSc (faculté des études supérieures, avec le concours des facultés de médecine, des arts et des sciences et de médecine vétérinaire).
Philosophiae doctor (biologie moléculaire) (PhD) 6 trimestres après la MSc.

*Programme interdisciplinaire assuré par la F.E.S., la F.A.S., la faculté de médecine, la faculté de medecine vétérinaire, la faculté de pharmacie.

Musique
Baccalauréat en musique (composition, général, interprétation, musicologie, techniques d'écriture) (BMus)

Maîtrise en musique (composition/interprétation, techniques d'écriture) (MMus) 3 trimestres après le BMus ou une formation équivalente. Mémoire.
Maîtrise ès arts (musicologie) (MA) 3 trimestres après le BMus ou l'équivalent. Mémoire.
Philosophiae doctor (musicologie) (PhD) 6 trimestres après la MA. Thèse.
Doctorat en musique (composition, interprétation (DMus) 6 trimestres après la MMus. Thèse ou récital.

Optométrie

Doctorat en optométrie (OD) 8 trimestres après le DEC.
Maîtrise ès sciences en optique physiologique (MSc) 3 trimestres après le OD ou le BSc. Mémoire.

Pharmacie

Baccalauréat en pharmacie (BPharm) 4 ans après le DEC ou l'équivalent.
Diplôme en pharmacie d'hôpital. Un an après le BPharm et avoir réussi les cours PHM 4037, 4071, 4072, 4134 ou l'équivalent.
Diplôme de toxicologie*. Deux trimestres après un diplôme de 1er cycle en sciences biologiques, chimie ou sciences de la santé.
Maîtrise ès sciences (MSc) (chimie médicinale, pharmacodynamie biochimique, pharmacognosie, sciences pharmaceutiques) 3 trimestres après le BPharm. Mémoire.
Philosophiae doctor (PhD) (Chimie médicinale, pharmacodynamie biochimique, pharmacognosie, sciences pharmaceutiques) 6 trimestres après la MSc. Thèse.

*Programme assuré par la F.E.S., la F.A.S., la faculté de médecine, la faculté de médecine vétérinaire, la faculté de pharmacie.

Sciences de l'éducation

Certificats
Baccalauréat ès sciences avec majeure (éducation) et mineures (éducation préscolaire et enseignement primaire, orthopédagogie) 2 ans après le DEC.
Maîtrise en éducation (administration de l'éducation, adragogie, didactique, générale, mesure et évaluation, orthopédagogie, psychopédagogie, technologie éducationnelle) (MEd) 3 trimestres après un diplôme de 1er cycle.
Maîtrise ès arts (administration de l'éducation, andragogie, éducation comparée, didactique, fondements de l'éducation, mesure et évaluation en éducation, psychopédagogie, technologie éducationnelle) (MA) 3 trimestres après un diplôme de 1er cycle. Mémoire.
Philosophiae doctor (PhD) (mêmes disciplines que pour la MA) 6 trimestres après la MA. Thèse.
Diplôme d'éducation comparée et internationale 2 trimestres après un diplôme de 1er cycle.

Sciences humaines et sociales

Certificats
Baccalauréat ès arts spécialisé (BA)
Baccalauréat ès arts avec majeure et mineure.
Baccalauréat ès sciences spécialisé (BSc)
Baccalauréat ès sciences avec majeure et mineure.
Diplôme d'études spécialisées (administration sociale) (DES) 2 trimestres après un diplôme de 1er cycle (offert par la faculté des études supérieures avec la responsabilité de la faculté des arts et des sciences et de la faculté de médecine)
Maîtrise ès arts (MA) mémoire.
Maîtrise ès sciences (MSc) mémoire.
Maîtrise en psychologie (MPs) 3 trimestres après le BSc ou l'équivalent. Mémoire.
Maîtrise ès sciences (sciences de la communication) (MSc) 4 trimestres après un diplôme de 1er cycle ou l'équivalent.
Maîtrise en bibliothéconomie et sciences de l'information (MBiblSI) 4 trimestres après un diplôme de 1er cycle ou l'équivalent.
Diplôme d'études africaines 1 an après un grade octroyé par la faculté de droit, l'École des Hautes Études Commerciales ou la faculté des arts et des sciences, ou l'équivalent (pas offert en 1990-1991).
Diplôme de toxicologie* 2 trimestres après un diplôme de 1er cycle en sciences biologiques, chimie ou sciences de la santé.
Philosophiae doctor (PhD) thèse.
Doctorat en psychologie (DPs) 6 trimestres après la MPs. Thèse.

*Programme interdisciplinaire assuré par la F.E.S, la F.A.S., la faculté de médecine, la faculté de médecine vétérinaire, la faculté de pharmacie.

Sciences infirmières

Certificats
Baccalauréat ès sciences (BSc)
Maîtrise ès sciences (MSc) mémoire.

Sciences pures

Certificats
Baccalauréat ès sciences spécialisé (BSc)
Baccalauréat ès sciences (BSc) (bidisciplinaire: mathématiques /économie, mathématiques/informatique, mathématiques/physique.)
Baccalauréat avec majeure et mineure.
Maîtrise ès sciences (MSc)
Philosophiae doctor (PhD) thèse.

Théologie

Certificats
Baccalauréat en théologie (BTh)
Baccalauréat ès arts (BA)
Baccalauréat ès arts avec majeure et mineure.
Maîtrise ès arts (MA) avec ou sans mémoire.
Philosophiae doctor (PhD) thèse.
Licence en théologie (LTh) 6 trimestres après BSpéc ou avec majeure en théologie. Mémoire.
Doctorat en théologie (DTh) 3 trimestres après la LTh. Thèse.

Diplômes et certificats

L'université décerne un diplôme à l'étudiant qui réussit un programme de diplôme (60 crédits). Elle donne une

attestation de certificat à l'étudiant qui réussit un programme de sujet mineur ou de certificat (30 crédits).

Éducation permanente

Chacun des programmes comprend un minimum de 30 crédits et est couronné par un certificat de l'Université de Montréal. Le regroupement approuvé de 3 programmes de sujet mineur ou certificats permet à l'étudiant d'obtenir un baccalauréat ès arts (BA) ou un baccalauréat ès sciences (BSc).

Télévision universitaire (cours télévisés).

Conditions d'admission

1er cycle

Québec : Les candidats doivent posséder le diplôme d'études collégiales (DEC) ou l'équivalent, dont le choix d'options répondra aux profils d'entrée exigés par les différentes facultés.

Autres provinces : Les candidats des autres provinces doivent satisfaire, de façon équivalente, aux mêmes conditions. Prière de s'adresser au bureau des admissions pour obtenir de plus amples renseignements.

2e et 3e cycles

Le candidat doit, en plus de manifester des aptitudes pour la recherche, être titulaire du grade préalablement requis ou de l'équivalent.

Étudiants adultes

Peuvent être admises à titre de candidats adultes les personnes sur le marché du travail qui sont âgées d'au moins 21 ans.

Étudiants étrangers

Les dossiers de ces candidats seront évalués en fonction des conditions exigées des étudiants du Québec.

Autres : Les candidats qui justifient du baccalauréat international sont admissibles.

Note : L'enseignement à l'Université de Montréal se donne en français et les candidats doivent posséder une connaissance suffisante de cette langue pour être admis à l'une ou l'autre des facultés.

Demandes et délais

Les candidats aux programmes d'études du 1er cycle doivent soumettre leur demande d'admission au plus tard le 1er mars pour les trimestres d'été et d'automne et au plus tard le 1er novembre pour le trimestre d'hiver. Les candidats aux programmes d'études de 2e et 3e cycles doivent soumettre leur demande d'admission au plus tard le 1er février pour les trimestres d'été et d'automne et le 1er novembre pour le trimestre d'hiver.

Année universitaire

Trimestre d'automne : de septembre à décembre. Trimestre d'hiver : de janvier à avril. Trimestre d'été : de mai à août.

Système de notation

Le système de notation en vigueur est un système à double seuil : l'étudiant réussit à un cours lorsqu'il obtient au moins "D" (équivalent à 1,0 pour le calcul de la moyenne cumulative) pour l'ensemble des travaux et des examens imposés, l'étudiant réussit à un programme s'il obtient une moyenne cumulative d'au moins 2,0 pour l'ensemble des cours du programme. Prière de consulter l'annuaire de l'Université de Montréal pour obtenir plus de renseignements sur le système de notation.

Vie étudiante et services aux étudiants

La fédération des associations étudiantes du campus de l'Université de Montréal (FAECUM) est l'organisme représentatif des étudiants de tout le campus. Elle est vouée à la défense des intérêts fondamentaux des étudiants et elle représente les associations d'étudiants de plus d'une quarantaine de facultés, départements et écoles.

Il y a 6 services aux étudiants : sports, santé, service d'animation culturelle, service d'orientation et de consultation psychologique, service de pastorale et les services socio-économiques, qui regroupent le bureau de l'aide financière, le bureau des services aux étudiants étrangers, le bureau des services aux étudiants handicapés, le bureau de logement hors-campus, le bureau universitaire de l'emploi. Il existe aussi un bureau des services juridiques rattaché à la faculté de droit. La direction des services aux étudiants coordonne l'activité de ces services et administre leur budget global. La section des affaires étudiantes relève de la direction, qui constitue également l'intermédiaire officiel entre l'administration et les étudiants pour toutes questions d'ordre non scolaire, telles que les projets étudiants, les griefs, les problèmes et l'amélioration de la qualité de la vie sur le campus.

Les résidences sur le campus, au nombre de 3, comptent 1 088 chambres pour une personne et 44 chambres pour 2 personnes.

Le bureau de logement hors campus de l'université possède une liste de logements, appartements ou chambres à louer, dans le quartier universitaire ou ailleurs à proximité de l'université.

La fonction de l'ombudsman consiste à recevoir des plaintes, à en analyser le bien-fondé, à faire enquête s'il y a lieu, et à faire des recommandations aux autorités compétentes. L'ombudsman jouit d'une indépendance absolue à l'égard des structures universitaires. Il n'a aucun pouvoir décisionnel, mais un pouvoir moral. Il garantit confidentialité et impartialité.

Unités de recherche

Centre de recherche en droit public. Directeur : Pierre Trudel, LLM

Centre de recherche en reproduction animale. Directeur : Ronald H.F. Hunter, BSc, PhD

Centre de recherche en sciences neurologiques. Directeur : Yves Lamarre, MD, PhD

Centre de recherche et développement en économique. Directeur : Jean-Marie Dufour, MSc, PhD

Centre de recherche informatique de Montréal. Président directeur général : Pierre Coulombe

Centre de recherches mathématiques. Directeur intérimaire : Francis H. Clarke, PhD

Centre d'études de l'Asie de l'Est. Directeur : Charles Le Blanc, MA, PhD

Centre de recherche sur les transports. Directeur : Gilbert Laporte, MA, PhD

Centre international de criminologie comparée. Directeur : Jean-Paul Brodeur, MA, MSc, PhD

Centre interuniversitaire en toxicologie de l'environnement. Directeur : Gabriel L. Plaa, MSc, PhD

Groupe d'analyse des politiques sociales. Directeur : Frédéric Lesemann, MA, Doctorat en sociologie

Groupe de recherche en biologie moléculaire de l'évolution. Directeur : Robert J. Cedergren, PhD

Groupe de recherche en ethnicité et société. Directeur : Jacques Brazeau, MA, PhD, MSRC

Groupe de recherche en hépatologie. Directeur : Pierre-Michel Huet, MD, PhD

Groupe de recherche en immunobiologie de l'Université de Montréal. Directeur : Serge Montplaisir, MD, MSc

Groupe de recherche en modélisation biomédicale. Directeur : Fernand A. Roberge, MScA, PhD

Groupe de recherche en neuropsychologie expérimentale. Directeur : Franco Lepore, PhD

Groupe de recherche en physique en technologie des couches minces. Directeur : John L. Brebsner, PhD

Groupe de recherche en reproduction humaine. Directeur : Alcide Chapdelaine, MD, MSc.

Groupe de recherche en sémantique, lexicologie et terminologie. Directeur : André Clas, DPh

Groupe de recherche en transport membranaire. Directeur : Raynald Laprade, PhD

Groupe de recherche et d'études sur les transformations sociales et économiques. Directeur : Gérard Boismenu, MSc, D3eCy. Directrice adjointe : L. Jalbert

Groupe de recherche Industrialisation Forum. Directeur : Colin H. Davidson, MArch

Groupe de recherche interdisciplinaire en santé. Directeur : André-Pierre Contandriopoulos, PhD

Groupe de recherche interuniversitaire en limnologie. Directrice : Bernadette Pinel-Alloul, PhD

Groupe de recherche sur l'inadaptation psychosociale chez l'enfant. Directeur : Richard E. Tremblay, MPsEd, PhD

Groupe de recherche sur la démographie québécoise.

Groupe de recherche sur l'Amérique latine. Directrice : Claire Meunier, MEd, Dr3eCy

Groupe de recherche sur les aspects sociaux de la prévention en santé et sécurité du travail. Codirecteurs : M. Renaud, MA, PhD et M. Simard, PhD

Groupe de recherche sur les jeunes et les médias. Directeur : André H. Caron, EdD

Groupe de recherche sur les maladies infectieuses du porc. Directeur intérimaire : Guy Cousineau, DMV, DV, Certpatho

Groupe de recherche sur les neurotransmetteurs. Directeur : Laurent Decarries, MD

Groupe de recherche sur le système nerveux autonome. Directeur : Jacques de Champlain, MD, PhD

Groupe interuniversitaire de recherche en anthropologie médicale et en ethnopsychiatrie. Directeur : Gilles Bibeau, PhD

Groupe multidisciplinaire de recherche en hypertension. Directeur : Marc Cantin, MD, PhD

Institut de recherche en exploration minérale. Directeur : Joseph S. Fox, PhD

Laboratoire de physique nucléaire. Directeur : L. Lessard, PhD

Observatoire astronomique du mont Mégantic. Directeur intérimaire : Daniel Nadeau, PhD

Réseau interhospitalier de cancérologie de l'Université de Montréal. Secrétaire exécutif :

Station de biologie. Directeur :

Unité d'inhalation expérimentale. Directeur : Jules Brodeur, MD, PhD

Écoles affiliées

École des Hautes Études Commerciales, Montréal (Québec). Voir chapitre correspondant.

École Polytechnique, Montréal (Québec). Voir chapitre correspondant.

Du point de vue juridique, ces écoles sont administrativement et financièrement autonomes. Un contrat d'affiliation les rattache à l'Université de Montréal qui décerne les diplômes et approuve les programmes d'études ainsi que les règlements pédagogiques.

Mount Allison University*

General Information

Address: Sackville, New Brunswick E0A 3C0
Telephone: (506) 364-2200
Telex: 014391

Acting president: Sheila A. Brown, BA, MA, PhD

Inquiries: Direct general correspondence to the registrar, Leonard Owen, BA, MA

Director, admissions: Jeff Hollett

Full-time faculty (1989-90): 162

History and Governance

Mount Allison Wesleyan College, founded in 1843 as an academy, was granted the power to confer degrees in 1858 by the legislature of the province of New Brunswick. In 1875 a faculty of theology was added to the original faculties of arts and science, and schools of applied science and home economics were established in 1903. After church union in 1925, an arrangement was made with Pine Hill Divinity Hall (Halifax) whereby theological subjects, except for the first year, would be taught by Pine Hill. In 1913 the name of the institution was changed to Mount Allison University and at that same time the name of the corporation was changed to the Regents of Mount Allison. In 1937, the conservatory of music and the Owens School of Fine Arts, previously under separate administration, were added to the faculties of the university. In 1963 the name of the corporation was again changed, this time to Mount Allison University. University teaching began in 1859; the first degrees were awarded in 1863.

Government of the university is vested in a 60-member board of regents, a 60-member senate and faculty council. Mount Allison is a co-educational university. While it is directly connected with the United Church of Canada, the university is operated on non-sectarian principles and concentrates on degrees at the undergraduate level.

International Mandate

As a small university devoted to undergraduate instruction, Mount Allison has no institutional international development activities. Several faculty members are involved on a personal basis, while the international liaison officer monitors information in the area. Foreign students, including those sponsored by the Canadian International Development Agency, comprise 5% of enrolments. Contact: Professor J.T. MacFarlane, assistant to the president. Telephone: (506) 364-3587.

Buildings and Grounds

The university is located in the town of Sackville, population 6,500. The campus, which comprises approximately 100 acres, contains 8 teaching buildings, a library, a chapel, an art gallery, administration facilities, a 1,500-seat convocation hall, a rink, a gymnasium, a students' centre, a swimming pool and playing fields.

Library

The Ralph Pickard Bell Library is designed to house 400,000 volumes and seat 500 students. It provides open-stack shelf arrangement of all collections and facilities for the use of all types of audio-visual materials. The present holdings of the library total 300,000 volumes of catalogue books and periodicals, a collection of 200,000 government documents, 17,600 map sheets, over 7,000 recordings and the equivalent of 250,000 volumes in various microforms. Departmental collections are maintained in chemistry and geology, and a music library houses the collections of musical recordings, books, periodicals and scores.

Special collections: University Archives
Winthrop Bell Collection of Acadiana
Davidson Collection of folklore, ballads, music, drama and modern poetry.

Programs and Degrees

Bachelor's degrees require 4 years (20 credits) from high school graduation. Three credits normally represent 3 lecture hours per week for 1 term. Six credits is equivalent to 3 lecture hours per week for 2 terms.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts
Bachelor of arts (BA) 4 years from high school graduation.

Commerce
Bachelor of commerce (BComm) 4 years from high school graduation.

Education
Bachelor of education (BEd) 1 year following graduation in arts, commerce, music or science.

Engineering
Certificate in engineering. The first 2 years of an engineering degree program are offered, the final years of which may be completed at the Technical University of Nova Scotia or the University of New Brunswick.

Fine arts
Bachelor of fine arts (BFA) 4 years from high school graduation.

Music
Bachelor of music (BMus) 4 years from high school graduation.
Bachelor of arts with major in music (BA)

* Ordinary member, AUCC

Science

Bachelor of science (BSc) 4 years from high school graduation. Pre-medicine, pre-dentistry and pre-veterinary programs may be completed within the faculty of science.

Master of science (MSc) Usually 18 months from an honors bachelor's degree in science.

Special programs

Interdisciplinary programs are available in American studies, Canadian studies, classical studies, drama, and medieval-Renaissance studies. The curricula allow students to draft, with faculty guidance, an interdisciplinary program suited to their particular needs.

Continuing education

Correspondence courses in a number of arts subjects.

A few evening courses in arts, science and education are offered in several communities by regular faculty members.

Immersion: Summer school French and English immersion programs (beginning and intermediate levels) are available. Courses taken in immersion programs may count for credit on some degrees.

Summer session: Special summer school programs are available. They include the United Nations seminar for high school students, the summer art workshop, the instrumental music camp, and the summer school of ballet, highland dancing and piping. Summer athletic camps are available for basketball, football, swimming and field hockey. Telephone, (506) 364-2265 for information.

Admission Requirements

Students registering at Mount Allison are expected to have graduated from high school at the university preparatory level. New Brunswick, Nova Scotia, Prince Edward Island, Newfoundland, Manitoba, Saskatchewan, Alberta, British Columbia, the Northwest Territories and the Yukon: Grade 12. Quebec: Grade 12 senior matriculation or Grade 11 and 1 year CEGEP academic program. Ontario: university preparatory level (Ontario academic credit) program. A minimum average of 65%, on all courses taken during the final 2 years of preparatory work submitted, is required for admission consideration.

Possession of the minimum requirements guarantees only that the application will be considered; normally, students who are admitted have averages that are well above the minimum.

Mature students

Mature applicants who have not satisfied the admission requirements will be considered for admission upon submission of evidence of ability and motivation to undertake successfully university level study. Mature applicants will normally not have been registered as full time students for at least 5 years.

Senior citizens

Senior citizens, those who have passed their 60th birthday, may register as internal students without payment of tuition.

Graduate

For admission to courses leading to a first degree in education, a bachelor's degree is required. For admission to an MSc in biology or chemistry an honors undergraduate degree or equivalent is required. Registration is limited.

International students

Students from outside Canada will be considered for admission provided that they meet the university admission requirements of their own country and demonstrate a high level of accomplishment. For those studying towards the general certificate of education or the general certificate of secondary education (i.e. the United Kingdom, West Indies, East and West Africa, Hong Kong) the university requires a selection of high school university preparatory courses appropriate to the planned program of studies, with grades of A to C in all papers, plus 1 full year of formal schooling beyond the GCE or GCSE O-level.

Students whose first language is not English will be required to submit evidence of a mastery of English sufficient to follow lectures and to write assignments and examinations in English; for example, a score of 550 on the Princeton Education Testing Services TOEFL is acceptable. Proof of sufficient funds to underwrite costs is required.

USA: Students from the United States, will be considered for admission provided that they have successfully completed at the graduation level of their particular province, or state, a selection of high school university preparatory courses, with the required academic standing, comparable to that of Canadian applicants. Where graduation is from a grade level lower than Grade 12, students will be required to provide evidence of high academic achievement.

The International Baccalaureate is recognized.

Application Deadlines

Deadline for receipt of all applications is April 1.

Academic Year

Winter session: Early September to early May. Summer session: Early July to mid-August.

Grading System

Standing is graded in each subject by division: Division I, 80-100%; division II, 70-79%; division III, 60-69%; pass, 50-59%; failure, below 50%.

Student Life and Services

Student self-government has existed at Mount Allison for many years. Since the early 1970, students have assumed increasing responsibility for their own affairs. The student administrative council provides the following

services: Entertainment, photocopying, tutor referral service, games room, mini-course program, examination file, winter carnival, student directory, Allisonian year book, student handbook, organizing group travel tours, speakers, movies and variety shows, academic enrichment fund.

Every student registered in 3 or more full courses is a member of the student union. The affairs of the union are overseen by the 30-member student administrative council (SAC). The SAC is directed by an executive, the members of which are elected to their positions by a vote of the union membership. The SAC operates on an annual budget of approximately $115,000 which is derived from student fees collected by the university. The full-time students at Mount Allison are represented by students on the university senate, the board of regents and its executive committee.

The university centre currently houses the Tantramarsh Club (the Pub), the Golden A cafeteria, the chaplain's office, the security office, the games room, Windsor Theatre, Hesler Hall, the offices of the student administrative council, the Allisonian yearbook, the Argosy weekly newspaper and CHMA FM 107, the FM radio station on campus. The university bookstore is located in downtown Sackville.

The athletic centre houses the university pool, weight rooms, the main gymnasium and the offices of the staff of the department of physical recreation and athletics. Mount Allison fields varsity teams in AUAA competition in women's soccer, volleyball and swimming, and men's football, soccer, hockey and wrestling. Allison Gardens, the university rink, is located near the athletic centre as are the football, rugby, soccer and field hockey fields. Campus recreation aims to meet the needs and interests of the university community through the provision of intramural sports, instructional classes, sports clubs (including men's and women's rugby, badminton, golf, curling, tennis, martial arts, women's ice hockey, indoor soccer, women's soccer, indoor field hockey, cross country skiing) and casual recreation.

Major cultural activities occur in Convocation Hall, particularly the performing arts series which brings international artists to campus. Smaller dramatic performances are staged in Windsor Theatre. The Owens Art Gallery brings a wide variety of art exhibitions to campus.

Special activities occurring on campus during the year include junior prom, winter carnival, banquets to honor students on the deans' list, members of the senior class, varsity athletes and freshmen.

Student clubs and societies include psychology, biomed, Canadian studies, Le cercle français, chapel folk, chemistry, commerce, conservatory chorale, German, economics, education, engineering, English, debating, fine arts, Gesner geology, Garnet and Gold musicals, historical, inter-varsity christian fellowship, Mount Allison students in society, math and computer science, off-campus students, pre-theological, sky-diving, war games, women's chorus, Young Liberals, Young PCs, Young NDPs, World University Service of Canada Society, Society of All Nations (international students), ski club, curling, karate, men's and women's rugby and fitness.

The university offers accommodation to approximately 1,200 students. Windsor, Palmer and Hunton houses are women's residences. Trueman, Bennett, Thornton, and the Monastery are men's residences. Harper, Bigelow, Edwards and Bermuda House are co-educational residences. In addition, the university has acquired a number of older homes in close proximity to campus which house smaller groups of students and provide a more family-style atmosphere than some of the larger residences.

The office of the dean of students and the student administrative council's off-campus co-ordinator both provide housing services to off-campus students.

All students living in residence are required to participate in the meal plans. Off-campus students may purchase packages of 20 lunches or 20 dinners.

Day care facilities are located very close to the campus.

International students are invited to join the Society of All Nations. Dr. Ken Adams, head of the chemistry department, is the international student advisor telephone, 364-2365.

Academic, personal and career counselling are available on campus. Each student is assigned a faculty advisor to help with academic concerns. In addition, the dean of science, the dean of arts and the registrar are willing to discuss academic matters with any student.

Personnel in the dean of students office will be pleased to discuss any concern or be the point of referral to other counselling services within and outside the university community for students with personal difficulties.

The career centre provides information on career planning and provides information regarding educational opportunities elsewhere.

Medical services are provided through contacts with 6 local doctors. A qualified dietician is available.

The university's policy of individual attention to all students allows for provision of services to certain handicapped students.

Because the university is small and because all officers of the university are readily accessible, Mount Allison does not have an ombudsman.

Research Chairs

Carnegie Chair in Chemistry. L.R.C. Barclay, BSc, MSc, PhD

Clement Chandler Avard and Florence Sybil Avard Chair in French Language.

Edgar and Dorothy Davidson Chair in Canadian Studies. L.D. McCann, BA, MA, PhD

Fred C. Manning Chair in Commerce. D.C. Patridge, BSc, MBA

Hart Almerrin Massey Chair in Philosophy.

Joseph Allison Chair in English.

Joseph L. Black and Mary A. Black Chair in Economics.

Josiah Wood Chair in Classics.

Obed Edmund Smith Chair in Mathematics. E.M. Tory, BSc, PhD

Obed Edmund Smith Chair in Physics. J.H. Matthews, BSc, MSc, PhD

Pickard-Bell Chair in Music.

Reverend William Purvis Chair in English Literature. A. Motyer, BA, MA

Ruggles Gates Chair in Biology. C.G. Paterson, BSc, MSc, PhD

Sir James Dunn Chair in Geology. L. Ferguson, BSc, PhD

Stiles-Bennett Chair in History.

Walter B. Cowan Chair in Religious Studies. C.H.H. Scobie, STM, MA, BD, PhD, DD

William Morley Tweedie Chair in English.

Winthrop Pickard Bell Chair in Maritime Studies. Chair held every second year by a visiting professor.

Mount Saint Vincent University*

General Information

Address: Halifax, Nova Scotia B3M 2J6
Telephone: (902) 443-4450
NetNorth: MSVU
Fax: (902) 445-3960

President: Naomi Hersom, BA, BEd, MEd, PhD, FCCT

Inquiries: Direct general correspondence to the registrar, Diane Morris, AB

Assistant registrar admissions/liaison: Susan Tanner, BA(BusEc), MEd

Full-time faculty (1989-90): 151

History and Governance

Mount Saint Vincent started as an academy established by the Sisters of Charity in 1873. In 1914 an agreement was signed with Dalhousie University, enabling students to enrol in the first 2 years of a bachelor's program at the Mount and to receive the last 2 years and the degree from Dalhousie.

In 1925 the Nova Scotia legislature awarded the Mount the right to grant its own degrees, making it the only independent women's college in the British Commonwealth. A new charter in 1966 changed the name to Mount Saint Vincent University, and established a lay board of governors and senate. In 1988 another charter transferred ownership from the Sisters of Charity to the board of governors.

Men were first admitted as non-resident students in 1967. Today, women represent 85% of the enrolment and almost half of the students attend part-time.

Mount Saint Vincent University is concerned primarily with the education of women. It provides a strong liberal arts and science core and selected professional disciplines. It is dedicated to promoting academic excellence and an environment characterized by a Catholic tradition and a high degree of personalized education.

International Mandate

The research and special projects office administers, co-ordinates and organizes development activities, deals with all university grants and contracts, and provides liaison with granting agencies and foundations. The university has linkage projects with the University of Malawi in home economics, rural development and extension work, and with 2 Nigerian universities and Dalhousie University in women's studies. It also participates in a nutrition and rehabilitation project in the Dominican Republic, and in an early childhood training project in Antigua and Barbuda. Contact: Dr. Wayne Ingalls, assistant to the president for research, planning and information services. Telephone: (902) 443-4450 ext. 296.

Buildings and Grounds

The campus, overlooking Bedford Basin, is situated in the city of Halifax (population metro area 300,000). Evaristus Hall, the main administration building, also houses classrooms, laboratories and residence facilities for students.

Seton Academic Centre is the university's main academic complex. Opened in 1971 the centre features a circular auditorium which can be converted into 4 theatre classrooms. It also houses a number of academic departments, the art gallery, language laboratories, faculty offices and lounge, seminar and classrooms.

Rosaria Centre offers support services for students including student affairs department, registrar and admissions, dining room, bookstore, gymnasium and centre for continuing education.

Other buildings include Seton Annex with faculty offices, several residence buildings and the Child Study Centre.

The E. Margaret Fulton Communications Centre, opened in the fall of 1989, provides facilities for the library, DUET (Distance University Education via Television), computer services and audio-visual department.

Library

The library collection consists of 150,000 volumes, 30,000 microfiche, 1,000 current periodical titles and a selection of Canadian and foreign newspapers. In addition to the materials available at the Mount Saint Vincent University library, students and faculty have reciprocal library privileges with the university and professional libraries in the Halifax area.

Special collections: MacDonald Collection of English literature and the Gerritsen Collection on the history of women with 25,000 titles.

Programs and Degrees

Bachelor's degrees in arts and science require 4 years (20 units) from junior matriculation (Grade 11), 3 years (15 units) from senior matriculation (Grade 12) unless otherwise specified. Bachelor's degrees in professional programs require 4 years from senior matriculation. Master's degrees require at least 2 years or 4 summers from the bachelor's degree.

One full unit normally represents 1 full course requiring either 3 lecture hours per week for 2 terms, or 6 lecture hours per week for 1 term. One half unit is usually equivalent to 3 lecture hours per week for 1 term.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts (15 and 20 units)

Bachelor of arts (BA)
Bachelor of arts (honors) [BA(Honors)]

* Ordinary member, AUCC

Business (20 units)
Bachelor of business administration (BBA)
Certificate in business administration. Available on a part-time basis to mature students.
Diploma in business administration. Available on a part-time basis only, 12 units (6 beyond certificate in business administration).

Child study (23 units)
Bachelor of child study (BCS). Four years from senior matriculation. Concentrations available in teaching young children, special education and young children, program development and developmental disabilities. All concentrations require practica in addition to course work.

Education (6 units)
Bachelor of education (BEd) 1 year from a first bachelor's degree. Prepares students for elementary and business teaching.
Bachelor of education in association with Nova Scotia Teachers College
Master of education (MEd) No thesis required.
Master of arts in education (MAEd) in educational psychology and measurement, elementary education and in reading. Thesis required.
Master of arts in school psychology [MASP] 2-year program. Thesis or project required.
Graduate certificate in reading

Gerontology (6 units)
Certificate in gerontology.

Home economics (20 units)
Bachelor of science in home economics (BScHEc) 4 years from either junior or senior matriculation.
Bachelor of home economics (BHEc)
Master of arts in home economics education (MAHEcEd)

Office administration
Bachelor of office administration (BOA) (16 units)
Diploma in office administration - executive (11 units)
Diploma in office administration - legal (11 units)
Diploma in office administration - medical (11 units)

Public relations (20 units)
Bachelor of public relations (BPR)

Science
Bachelor of science (BSc) (15 and 20 units)
Bachelor of science (honors) [BSc(Honors)] (20 units)

Tourism and hospitality management (20 units)
Bachelor of tourism and hospitality management (BTHM)

Special programs
Co-operative education: The university offers a co-op education program which permits students to acquire practical work experience in their chosen fields in addition to their academic studies. The co-op option is available in the bachelor of business administration, bachelor of public relations, bachelor of home economics, bachelor of science in home economics; and is mandatory for full-time students in bachelor of tourism and hospitality management.

Graduate education: The university has one of the most modern reading centres in Canada offering practicum experience for graduate students in the reading program. It also includes diagnostic and tutoring programs in mathematics and special education.

DUET: Distance University Education via Television (DUET) provides live, interactive courses broadcast directly from the classroom/studio across the Atlantic region via cable, satellite and microwave. Distance students interact with classroom/studio students and with the professor using telephone lines in various teleconferencing configurations.

Continuing education
Many undergraduate and graduate classes are available in the late afternoon and the evening, as well as both summer sessions on a rotational basis. Students may progress as either full or part-time students in most programs.

Admission Requirements

Undergraduate
Nova Scotia: Grade 11, with a minimum 65% average and no grade below 50% in 5 subjects, will admit to the 20-unit arts, science or 21-unit office administration programs. Nova Scotia Grade 12 with minimum 65% average in 5 academic subjects will admit to the 15-unit arts, science or 16-unit office administration programs and to the 4-year professional programs. Professional programs have individual high school subject prerequisites.

Other provinces: Students completing the senior level of a university preparatory program in their province, with a minimum of English and 4 additional senior level subjects, will be considered for admission on the same basis as students from Nova Scotia Grade 12. Students completing secondary V in Quebec will be considered on the same basis as students graduating from Nova Scotia Grade 11.

Mature students
Special entrance may be granted to students who have not completed the formal requirements of high school graduation but who are at least 23 years of age and who have demonstrated their capability in employment or in private study. Such students normally will be admitted only if 5 years have elapsed since the applicant left high school. Special counselling is provided.

Graduate
A formal application for admission is required. Application forms must be accompanied by letters of reference and official transcripts. An interview will normally be requested of the applicant.

International students

Students whose mother tongue is not English must submit satisfactory scores in an English language test such as TOEFL.

USA: Students must present Grade 12 high school academic graduation with at least 15 points, a principal's recommendation and CEEB, SAT or ACT scores.

British system: Applicants must present GCE O-level in 5 acceptable subjects including English for Grade 11 equivalent entrance and 3 A-level passes for Grade 12.

Other: Applicants submitting the International Baccalaureate will be considered for admission on equivalent basis to Nova Scotia Grade 12.

Application Deadlines

Education, child study, public relations, tourism and hospitality management, April 1. International students, May 1. Graduate programs, May 1.

Academic Year

Winter session: Early September to early May. Intersession: Mid-May to late June. Summer session: Early July to mid-August.

Grading

A numerical grading system is used. Failure: Below 50%. One unit of credit is given for a 2-semester course, one-half unit of credit for a 1-semester course.

Student Life and Services

The Mount Saint Vincent University student union is an incorporated body comprised of all full-time and part-time students who have paid the union fee. The union is responsible for financing societies, the yearbook, photopool, and the student newspaper, the Picaro. The council also publishes an annual handbook on student life. The governing body of the union is the students' council. The council holds positions on the university senate and on the board of governors.

Students are housed in various locations around campus including Vincent Hall, 149 spaces; Assisi Hall, 150 spaces (high rise); Evaristus Hall, 98 spaces; all of which are meal plan residences. Lourdes has 19 spaces and 5 cedar townhouses, the Birches with 100 spaces where residents do their own meal preparation. Single and double rooms are made available in all of the residence halls. All residences contain lounges, reading and recreational rooms. The housing office staff provide resources and assistance to all students living on campus.

A diversified athletic and recreation program provides opportunities for full participation by students, staff, faculty and community members. Program emphasis is on fitness and the development of healthy lifestyles. Included in the campus recreation program are aerobic exercise classes, yoga, self-defense, karate, dance, badminton, gymnastics and friendly competition in various individual and team sports. Hydra-gym equipment and exercise bicycles are available for weight training and body toning. Table tennis, pool and board games are enjoyed in the games room. The Mount is a member of the Nova Scotia College Conference.

The university chaplain works to develop students in Christian maturity in various ways: By being present and interested in student activities; by assuring a liturgy of Word and Eucharist; and by offering time for counselling and friendship. The chaplaincy has an ecumenical orientation.

The student health office offers a full range of medical services. The university does not have a student infirmary but relies on the local hospitals when such services are required.

All Canadian students are covered by their provincial medicare plans while attending university. A student drug plan is in effect for the academic year. International students are required to purchase an international student health package.

A nutritionist provides individual and group counselling in areas of weight loss, therapeutic diets, food budgeting and good nutritional food practices.

Professional counselling is available to all students who have personal, emotional, social and educational concerns. In addition, individual and group programs are available in areas of career exploration, study skills, assertiveness training and management of test and speech anxiety.

The campus Canada Employment Centre helps students to obtain permanent, summer or part-time employment and assists employers who wish to recruit at Mount Saint Vincent. Students seeking work are advised to register with the centre at the earliest possible date.

Jobs on campus are available to students during the academic year and in the summer. Information about jobs on campus is available from the university personnel officer.

The student affairs department co-ordinates services for the handicapped. While most university buildings are equipped with ramps and elevators, persons in wheelchairs are likely to have trouble negotiating the campus unless they can drive from one building to another.

Parking is available for a yearly fee of $65 for full-time students; there are lower rates for evening and summer students. Bus service is available through Halifax transit, with a special hourly shuttle bus operating between the Mount and Dalhousie University.

The campus bookstore provides texts, school supplies and sundry items at reasonable prices.

The art gallery places an emphasis on the work of regional artists, work by women, work by indigenous and native cultures and on craft. The Mount art gallery facilities meet the stringent requirements of the National Gallery of Canada, placing it among the top-ranking galleries in the country.

Research Institute

The Institute for the Study of Women/L'Institut d'Etude sur la femme.

Research Chair

Nancy Rowell Jackman Chair in Women's Studies. Krishna Ahooja-Patel, PhD

University of New Brunswick*

General Information

Address: Fredericton Campus, P.O. Box 4400, Fredericton, New Brunswick E3B 5A3
Telephone: (506) 453-4666
Cable: UNB, Fredericton, New Brunswick
Fax: (506) 453-4599
Telex: 014-46202

Address: Saint John Campus, Tucker Park, P.O. Box 5050, Saint John, New Brunswick E2L 4L5
Telephone: (506) 648-5500

President: Robin L. Armstrong, BA, MSc, PhD

Inquiries: Direct general correspondence to the university secretary, J. Woodfield, BA, PhD

High school liaison officer: Jack Cunningham, BA

Full-time faculty (1989-90): 604

History and Governance

The University of New Brunswick was established by the governor and council of New Brunswick in 1785 as the Academy of Arts and Science. It became the College of New Brunswick by provincial charter in 1800 and by royal charter it became King's College in 1828. In 1859 it was again reconstituted and given the name University of New Brunswick. The first degrees were awarded in 1828. The first course in engineering at a Canadian university was offered at the University of New Brunswick in 1854 and in 1908 a course in forestry was introduced. The Saint John campus of the University of New Brunswick was established in 1964 and moved to its present site in Tucker Park in 1969.

The University of New Brunswick is a co-educational, non-denominational, publicly supported, provincial university. The major financial support, which comes from the provincial government, is administered by the Maritime Provinces Higher Education Commission. The university operates on 2 campuses and shares its Fredericton campus with St. Thomas University.

The university is administered by a 40-member board of governors and a 63-member senate in Fredericton, and a 25-member senate in Saint John.

International Mandate

The international liaison officer co-ordinates international development activities and contacts internally and externally, and advises the president. The university participates in technical assistance programs in Africa and China in survey engineering, fire science and vocational education which involve training and exchanges. Occasional seminars and conferences on international development are held on campus, and the university encourages multicultural activities of its foreign students and faculty involving the general public. Contact: Prof. D.A. MacIver, division of educational foundations, faculty of education. Telephone: (506) 453-3513.

Buildings and Grounds

The university has 2 campuses, one in the capital city of Fredericton (population 44,000) and a second campus in Saint John (population 100,000). There are over 50 buildings on the Fredericton campus including those for St. Thomas University, a Roman Catholic co-educational university federated with UNB. Singer Hall, completed in 1987, provides new space for the faculty of administration and the department of economics. A new wing, Gillin Hall, was added to the engineering complex in August of 1988. The university makes special arrangements to accommodate the needs of individual handicapped students. The campus in Saint John presently consists of 5 buildings: Arts, science, a combined library-administration building, an athletics centre and a student centre. A new all-weather track facility was completed on the UNBSJ campus for the 1985 Canada Summer Games. Both campuses have room for expansion.

Libraries

The university library on the Fredericton campus has a collection of 960,316 printed volumes and 1,694,432 equivalent volumes of micro-materials; it subscribes to 6,667 serial titles. The collections are housed in the Harriet Irving Library and its branches for education, engineering and science- forestry.

The faculty of law library in Ludlow Hall contains about 88,466 volumes, 16,056 volume equivalents, and subscribes to about 1,743 periodicals and serials. On the Saint John campus, the Ward Chipman Library has 179,000 books, about 1,700 periodicals and serials, about 4,300 microfilms, 38,000 microfiche, and 6,000 non-print items.

Special collections: New Brunswick newspapers
Rufus Hathaway Collection of Canadian literature
CIHM Collection of pre-1900 Canadiana
Collections of science fiction
Documents relating to governors-general
Beaverbrook Collection of rare books
Fleming Collection (Emerson)
Childrens Literature Collection
Micmac-Maliseet Institute Collection

Programs and Degrees

Bachelor's degrees require 4 years from Grade 12 unless otherwise specified. Master's degrees require at least 1 year from a bachelor's degree and doctorates require at least 3 years from a bachelor's degree unless otherwise specified.

Three credits normally represent 3 lecture hours per week for 1 term. Six credits is usually equivalent to

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either 3 lecture hours per week for 2 terms or 6 lecture hours per week for 1 term. Extra credits may occasionally be awarded for labs or particularly demanding courses.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Administration

Bachelor of business administration (BBA) 120 credit hours required, including 54 in business and 6 in mathematics. Admission from Grade 12.
Certificates in business administration and public administration. Thirty credit hours, through extension. One year or equivalent.
Master of public administration (MPA)
Master of business administration (MBA)

Arts

Bachelor of arts (BA) majors and honors programs, both 4 years (126 credit hour program) from Grade 12.
Master of arts (MA) 1 or 2 academic years from bachelor's degree. Residence requirements may be shortened on recommendation of department concerned.
Doctor of philosophy (PhD) At least 3 years from bachelor's degree or 2 years from master's degree.

Computer science

Bachelor of science in computer science (BScCS)
Master of science in computer science (MScCS)
Doctor of pilosophy (PhD)

Data analysis

Bachelor of science in data analysis (BScDA)

Education

Bachelor of education (BEd) 4 years. Replaces 2-year programs previously offered at New Brunswick Teachers' College and New Brunswick Institute of Technology.
Postgraduate bachelor of education (BEd) 1 year following recognized bachelor's degree.
DAUS (diploma of advanced undergraduate study) for certified teachers holding a degree in education.
Master of education (MEd) Minimum 1 year from BEd by course or by thesis.

Engineering

Bachelor of science in engineering (BScE) Minimum 180 credit hours. Better students may complete in 4 years.
Certificate programs in surveying engineering (in 5 specified areas). A total of 30 credit hours of non-elective and elective courses are required in each program.
Diploma in land information management. One year of full-time study. Offered jointly by the surveying engineering and computer science departments. Entrance requirement, an undergraduate degree in a related field of study such as civil or surveying engineering, geography, computer science, urban and regional planning, agriculture or forestry.
Diploma in mapping, charting and geodesy. Two-year program combining study at undergraduate and graduate levels. Entrance requirement, undergraduate degree in engineering or science.
Master of engineering (MEng) Minimum 1 year full time or equivalent part time. Report required.
Master of science in engineering (MScE) At least 1 year full time. Thesis required. Program oriented towards research.
Doctor of philosophy (PhD)

Forestry

Bachelor of science in forestry (BScF) 5 years from Grade 12.
Bachelor of science in forest engineering (BScFE). Offered jointly by faculties of engineering and forestry.
Master of forestry (MF) Minimum 1 year full time after BScF.
Master of science in forestry (MScF) Minimum 1 year full-time study after BScF. Thesis required. Program oriented towards research.
Doctor of philosophy (PhD)

Law

Bachelor of laws (LLB) 3 years from bachelor's degree in arts, business administration, commerce or science. Arts or business administration students at UNB or St. Thomas University may be admitted after penultimate year of first degree program.

Nursing

Bachelor of nursing (BN) Degree program for registered nurses. Three-year generalized nursing program as well as a 4-year basic program for those without RN background. There are nursing courses in all years with field work required.

Physical education and recreation

Bachelor of physical education (BPE)
Master of physical education (MPE) Report or thesis required.

Science

Bachelor of science (BSc)
Master of science (MSc) At least 2 years from bachelor's degree in arts or science.
Doctor of philosophy (PhD)

Office management

Bachelor of office management (BOM) 138 credit hours required for the degree.

Special programs

Specialized programs are available in Atlantic studies, bio-psychology, linguistics, theatre production, language certification, as well as several programs involving a year's study in Europe or the USA.

Continuing education

Winter evening session: Undergraduate and a few graduate courses in administration, computer science, education, nursing and science are offered for part-time students on campus as well as at 12 to 15 off-campus community locations throughout the province.

Intersession (spring and summer): Additional academic sessions are offered during the May to August period including intersession (May to June), spring/summer extended session (May to July) and summer session (July to August). Degree-credit courses for certificates in administration (business and public) and proficiency in French are also offered to part-time students.

A broad range of non-degree courses and programs is available in such areas as creative/performing arts; occupational and professional development; business, industry and labor; programs for seniors, such as Elderhostel; and specialized courses in English as a second language.

Distance education: Besides traditional classroom-based courses, a variety of distance education methods is employed to deliver both degree-credit and non-degree courses, including audio-taped courses for independent study through the open access learning program, audio-teleconferencing and cable television.

Admission Requirements

Undergraduate

New Brunswick: Grade 12 with 6 passes in approved subjects with no mark below a pass.

Other provinces: Nova Scotia and Prince Edward Island: Grade 12. Newfoundland: Grade 12 with 6 passes. Quebec: High school leaving examination results for 7 subjects and 65% average (70% for science and applied science) with no subject below a pass. Students who have completed at least 1 full year of CEGEP in Quebec and who have met the admission requirements may be eligible to receive credit for appropriate courses provided that the grade is at or above the class average. Ontario: Grade 12 from advanced program only with 65% average in 6 subjects and no subject below a pass. An applicant who has taken Ontario Grade 13 OAC may be considered for advance credit in appropriate courses (providing that the entrance requirements have already been met). Normally a mark of 65% will be required in each subject for which credit is sought. In some subjects a higher grade may be required. Manitoba, Saskatchewan, Alberta, Northwest Territories and British Columbia: Grade 12 with 65% average in 6 subjects and no subject below a pass.

Mature students

Applicants who do not meet normal entrance requirements may be considered by admission committee. Applicant must normally be in work force 2 years prior to application. Consideration given to any applicant over the age of 21 but those between 21 and 24 years of age are normally expected to meet high school requirements for university entrance. More latitude allowed in considering those over 24 years of age who have been in work force for a number of years.

Senior citizens

Senior citizens, 65 years or older, are exempt from tuition fees and are subject to admission requirements as per mature students.

Graduate

Minimum requirement, honors bachelor's degree or equivalent with cumulative grade point average of at least 3.0 from UNB or equivalent standing (i.e. upper second-class honors) from other approved university. Specific requirements concerning prerequisite courses or number of courses stated by department concerned. Admission to all programs is limited and competitive.

International students

Students whose mother tongue is not English must write either the University of Michigan English language test (minimum score 85), Test of English as a Foreign Language (minimum score 550) or the Cambridge English Language Test (overall band of 6.5 required).

USA: Students must present complete high school record, positive principal's confidential report and CEEB or ACT scores; B- average or better, rank in the upper half, and 800 on 2 aptitude tests required (higher standard required in restricted-enrolment programs.)

UK and British Commonwealth: GCE O-level passes with minimum grade B, in English, mathematics and 4 academic options. Applicants with appropriate A-level subjects with minimum grade C may be granted credit for each subject.

Other: Applicants submitting an International Baccalaureate are considered for admission on an individual basis.

Application Deadlines

Applications for undergraduate programs must be submitted by March 31. The school of graduate studies has no closing date for applications but March 1 is the deadline for fellowship applications.

Academic Year

Winter session: Early September to end of April. Summer session: Early July to mid-August. Intersession (Fredericton campus): Early May to mid-June. Spring extension session (Saint John campus): Early May to end of June.

Grading System

Undergraduate: A, excellent; B, very good; C, satisfactory; D, minimum acceptable; F, fail. Minimum grade-point average for graduation, 2.00. Graduate school: Minimum acceptable grade, B-; minimum cumulative grade point average of 3.0 required.

Student Life and Services

There are elected student representative councils on each campus which organize and approve most non-academic student activities, including newspaper and an FM radio station. In addition to organizing major social events, the councils present student concerns and recommendations to the university administration. There are student members on most university committees. The student union building in Fredericton was built with funds raised by the students of UNB, St. Thomas University and the former Teachers' College,

and matched by the university. The student union building has its own board of directors of 8 students and 3 persons appointed by the university. The graduate student association represents all students in the school of graduate studies and research. In addition to organizing social events, it presents the views of graduate students to the university and to the student representative council.

The Fredericton campus provides accommodation for approximately 1,500 students in 12 residences. There are approximately 580 beds in 6 men's residences, 430 beds in 2 women's residences and 425 beds in 4 co-ed residences. The university operates 1 apartment building which can accommodate 103 student families. The university maintains an off-campus housing office to assist students with finding suitable off-campus housing. There are no residences on the Saint John campus but Beaverbrook House, in Saint John, is a co-educational residence with accommodation for 21 students.

The health service has a full-time medical director and nursing staff, supported by 2 part-time staff physicians. This service is available to all students and to staff in emergencies. In Saint John, emergency medical services are provided by the Saint John Regional Hospital which is adjacent to the campus. There is a student medical insurance plan.

A director of counselling and several staff members are available to students on the Fredericton campus. Personal and career counselling is available to individuals and groups. Career and human relations workshops are provided. The counselling centre has a career information library and a native student advisor. The director of student services in Saint John is responsible for counselling.

An international student advisor is available to provide counselling and information to all non-Canadian students.

A Canada Employment Centre is maintained on each campus for the purpose of assisting students in obtaining permanent, summer and part-time employment, to provide employment counselling and labor market information for students, and to assist employers with their on-campus recruiting.

Other student services include a wide range of athletic activities, new student orientation program, campus ministry, creative arts programs (including resident artists), housing and food service office, and a bank, bookstore and other commercial outlets on campus.

On the Fredericton campus, the dean of students acts as ombudsman for students on academic and other matters. For information concerning any student service, contact the dean of students office at 453-4527. On the Saint John campus, contact the director of student services at 648-5690.

Research Institutes

CADMI-Microelectronics Centre. Director: J.E. Lewis, BScE, PhD

Centre for International Marketing and Entrepreneurship. Director: L.R.B. Marshall, BComm

Centre for Research in Engineering and Applied Science. Director: R.S. Stuart, BA, MA, PhD

Conflict Studies Centre. Director: D. Charters, BA, MA, PhD

Fire Science Centre. Director: J.E.S. Venart, BASc, PhD

INCUTECH Brunswick Inc. Manager: D. Doucet, BBA, MScE

Institute of Biomedical Engineering Director: TBA

Manufacturing Technology Centre. Director: Evelyn W. Richards, BA, MA,

Wood Science and Technology Centre. Director: I. Smith, BScCE, MSc, PhD

Research Chairs

D.C. Campbell Chair in Highway Construction and Pavement Research. J.B.L. Robinson, BScCE, MScCE, PhD

N.B. Forest Industries Forest Tree Improvement Chair. E.K. Morgenstern, BScF, MScF, Dr rer nat

N.B. Power/NSERC Chair in Nuclear Engineering. D.A. Meneley, BE, DIC, PhD

Patrick Gillin Chair in Construction Engineering. J. Christian, BEng, MICE, CEng, PhD

Federated Institution

St. Thomas University, Fredericton, New Brunswick. See separate entry.

Affiliated Institution

Maritime Forest Ranger School, Fredericton, New Brunswick E3B 6H6 Telephone, (506) 458-0199. Interprovincial school for forest rangers affiliated to UNB. Provides 1-year training course for men and women with some experience in forestry and certain training facilities for faculty of forestry at the university. Director: H.J. Torunski, BScF

Nova Scotia Agricultural College*

General Information

Address: P.O. Box 550, Truro, Nova Scotia B2N 5E3
Telephone: (902) 895-1571
Telex: 111

Principal: Leslie E. Haley BSA, MSA, PhD

Inquiries and high school liaison: Direct general correspondence to the registrar, Victor Saxon, BSc, BEd, BEng, MBA

Full-time faculty (1989-90): 68 .

History and Governance

Nova Scotia Agricultural College was established by provincial legislation in 1905, and the first classes were offered in the same year. Until the mid-thirties, the names College of Agriculture and Nova Scotia Agricultural College were used interchangeably. In 1980, on its 75th Anniversary, NSAC received approval to offer the complete 4 years of the BSc(Agr) program.

The college has neither a board nor a senate. Control is vested in the Nova Scotia Department of Agriculture and Marketing. The college is co-educational.

International Mandate

The Centre for International Development facilitates the planning, organizing and implementation of international development projects, and helps plan and co-ordinate the college's program in international development. It participates in rural development projects in several countries, co-ordinates undergraduate, technical and graduate education in agricultural sciences for foreign students, and participates in public education work. Contact: Mr. A. Dale Ells, director, Centre for International Development. Telephone: (902) 985-1571 ext. 6719.

Buildings and Grounds

The college is located in Truro, Nova Scotia (population 14,000). On the 165- hectare campus are an administration building, 3 combined laboratory and lecture-hall buildings, 3 student residences, an 8-building animal science complex, a 430-seat theatre, an athletic centre, a dining and student union centre and a library.

Library

The library is a modern facility housing the college's collection of 21,000 volumes and 909 periodical subscriptions.

Programs and Degrees

The college operates on a semester hour credit system. One credit is usually equivalent to 3 lecture hours per week for 1 semester.

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For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Agriculture

Degree in agricultural science [BSc(Agr)] 4 years from senior matriculation (40 credits).
Diploma in degree agricultural engineering. Three years from senior matriculation.
Graduates of the agricultural engineering degree program usually proceed to further studies at Macdonald College (McGill University), also a 2-year engineering diploma for admission to the Technical University of Nova Scotia Pre-veterinary science. Two years from senior matriculation (20 credits).

Technical programs

Technician diploma awarded to students taking a 2-year technician program. Technology diploma awarded to students taking third year after completing technician program or a 2-year or 3-year program after senior matriculation.

A pre-tech program provides upgrading to technician entry.

Admission Requirements

Undergraduate

Nova Scotia: The degree program and pre-vet program require Nova Scotia Grade 12 or equivalent with 60% average and no mark below 50% in English, mathematics, chemistry, physics or biology and a fifth subject. Engineering degree program, same as for science except physics at the Grade 12 level is mandatory.

Other provinces: For admissions to the science and engineering degree programs, the following academic standings are required. New Brunswick, Prince Edward Island, British Columbia, Alberta, Saskatchewan, Manitoba, Newfoundland: Grade 12. Ontario: Grade 13. Quebec: CEGEP year 1 (science stream). All applicants must meet the subject and average requirements outlined under Nova Scotia.

Technology

Nova Scotia: Chemistry and food lab technology program require Nova Scotia Grade 12 or equivalent with no mark below 60% in English, mathematics, chemistry, and biology. Biology technology requires Nova Scotia Grade 12 or equivalent, chemistry, English and mathematics. For agricultural technology, satisfactory completion of a 2-year technician program. Farming technology requires successful completion of first year agricultural business, agricultural engineering, animal science or plant science technician course. Animal health technology has the same admission requirements as a technician program (see below). Landscape horticulture technology require Grade 12 biology, English, mathematics and 1 chemistry course.

Other provinces: Graduation from high school with the equivalent courses with Nova Scotia noted above.

Technician program

Nova Scotia: Grade 12 or equivalent with standing in English, Grade 11 mathematics, 1 year of chemistry and 1 of biology.

Other provinces: Grade 12 English and mathematics with 1 year of chemistry and 1 of biology.

Mature students

There is no special admission policy for mature students. Applicants seeking admission to the degree, technology or technician programs must meet the requirements outlined in the sections above.

International students

For admission, certificates equivalent to standing required for Canadian students must be presented. Proof of English language proficiency is required such as the Test of English as a Foreign Language (TOEFL), minimum score 550. For further information, contact the registrar's office.

Academic Year

Early September to early May.

Grading System

Numerical grades are assigned. The pass mark is 50%. Honors diplomas are awarded to those with an average of 75% and high honors to those with an average of 80%.

Student Life and Services

The student's union, consisting of all full-time students, elects its own executive to look after student affairs and to promote the interests of students.

The students' union each year appoints a committee which directs the social activities of the college. The athletic program involves intramural athletics, inter-scholastic athletics as well as a program of physical education. Each year, the students organize a "College Royal" as it is frequently called. The show is a competition in fitting and showmanship.

Fraser House, Trueman House and Chapman House provide living accommodation for approximately 540 students. Jenkins Hall is a dining facility.

Practically all students are covered by provincial hospital and medical plans. Infirmary facilities are available for both men and women. A small medical fee is charged.

Each new student has a faculty advisor and the advice of all faculty members is readily available.

The placement office provides a full-time employment service to all students.

Nova Scotia College of Art and Design*

General Information

Address: 5163 Duke Street, Halifax, Nova Scotia B3J 3J6
Telephone: (902) 422-7381
Fax: (902) 425-2420

President: Ian Christie Clark, BA, MA

Inquiries: Direct general correspondence to the registrar, Stephanie D. Smith

Director, admissions: Jane Harmon

Full-time faculty (1989-90): 45

History and Governance

Nova Scotia College of Art and Design was established as the Victoria School of Art and Design in 1887 and renamed Nova Scotia College of Art in 1925. In 1969 the institution was renamed Nova Scotia College of Art and Design. It awarded its first bachelor's degree in 1970 and the first master's degree in 1975.

The college is a co-educational, independent institution of higher learning chartered by an act of the provincial legislature and receives its principal financial support from the province of Nova Scotia. The government of the college is vested in a 20-member board of governors.

Buildings and Grounds

In 1979 the college completed a move to a 2-block area of restored historic buildings in downtown waterfront Halifax, a city with a population of 267,991. Halifax is the seaport capital of Nova Scotia and the metropolitan centre of Canada's maritime provinces.

The principal studio areas open to students in fine art include ceramics, jewelry, intermedia, painting, photography, printmaking, sculpture and weaving. Students may take courses at Dalhousie University and at other universities in the city.

The Anna Leonowens Gallery, named for 1 of the founders of the college, and the famous teacher of the children of the King of Siam, presents a series of exhibitions that are open to the public throughout the year.

Library

The college library, a specialized collection in art and design, holds about 20,000 volumes. In addition, the college regularly subscribes to about 200 periodicals and maintains a collection of 100,000 photographic slides of examples of works of art and design. Libraries at other universities in Halifax are also available to students of the college.

Programs and Degrees

Bachelor's degrees are 4 years in length (134 semester hour credits) unless otherwise specified.

Courses at the college are usually assigned a value of 8, 4 or 3 semester hour credits. One semester hour credit normally represents 3 hours per week of course related work.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Art education

Bachelor of arts in art education (BA) Qualifies the student to receive the Nova Scotia teacher's certification.
Master of arts in art education (MA) Requires 1 year of full-time study, July through June, or 3 summer terms of 7 weeks each and the 2 intervening years of part-time study. Offered for experienced elementary and secondary school teachers of art and art supervisors.

Design

Bachelor of design (BDes) Degrees are offered in either environmental planning or communication design.
Diploma in graphic design [Associate of the Nova Scotia College of Art and Design (ANSCAD)] 3-year program.

Fine arts

Bachelor of fine arts (BFA) The foundation course, taken in the first semester, and 5 semester courses in art history are required. Remaining courses are elected by the student from those available at college and from courses available at other universities in the city.
Diploma in fine arts [Associate of Nova Scotia College of Art and Design (ANSCAD)] 4 years of study entirely in studio and related courses.
Master of fine arts (MFA) 2-year program with emphasis on studio work for students interested in postsecondary teaching. Requires a thesis exhibition.

Special programs

Summer session: Summer semester runs for 14 weeks from May until August. Students who do not enrol in the entire program may select courses lasting one-half of the term beginning in May or July.

Off-campus study: A student may receive credit for programs of study undertaken while travelling or at a place away from the college if the programs offer advantages for the work the student is doing. A student proposing an off-campus program for credit will arrange a plan with faculty members subject to college approval and the approval of the appropriate faculty body.

Student exchanges: The student exchange program enables students to study for 1 semester at any of the member institutions of the Alliance of Independent Colleges of Art (USA), the Canadian Art Colleges Consortium, the Consortium of East Coast Art Colleges or at a number of other institutions having independent exchange programs with the college. See the college calendar for a complete list of participating institutions.

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Continuing education

Courses in art and design are offered for adults and children in Halifax and in other locations in the province.

Credit courses are not offered through the extension program but are available to those wishing to register for full-time or part-time study as special students.

Admission Requirements

Undergraduate

Canadian students: Admission is based on evidence of reasonable maturity, interest in the program and the ability to benefit from college programs. Nova Scotia applicants seeking admission from high school must have completed Grade 12 high school. Students from other provinces must have completed the highest level of studies at the secondary level. Other candidates must present evidence of their interest, ability and maturity to qualify for admission. Transfer students from other institutions including those from liberal arts and other programs may receive advanced standing.

Senior citizens

Fees for senior citizens are assessed at 50% of the regular tuition fees.

Graduate

Applicants to the master of fine arts program must hold a bachelor of fine arts degree or its equivalent and demonstrate competence in art and an interest in teaching at the postsecondary level.

International students

For complete information on entrance requirements, applicants should contact the admissions office. The college requires all students including international students to write the NSCAD English competence test.

In most cases, the college will require 1 year of full-time English language study before entry to the college if the candidate from a non-English-speaking country.

Application Deadlines

Applications to undergraduate programs should be completed 18 weeks before the month in which the student plans to enter. Closing date for applicants to the MFA programs is mid March; for the MA program, the end of March.

Academic Year

Three semester terms: September to December; January to April; May to August. Undergraduate students may be admitted at the beginning of fall and spring semesters. Master of fine arts students are ordinarily admitted in September and students are admitted to the MA in art education program in July.

Grading System

Those courses which are satisfactorily completed are recorded for credit. Those not satisfactorily completed receive no credit. Letter grades are used for courses in art history, design and art education. All grades are recorded on the student's permanent record.

Student Life and Services

The student union, through its elected council, places student representatives on the college's board of governors and committees. The student council also plans social, cultural and athletic activities and represents student needs and opinion in matters of official concern. The program of the union is financed by student union fees.

The college's program of extra-academic activities is supplemented through community activities and through co-operation and reciprocal arrangements with other universities located in Halifax.

The college does not provide residential accommodation, however, the student services office co-ordinates a housing and information service which helps students seeking accommodation.

Through an agreement with Dalhousie University, students of the college have full and free access to the medical services of Dalhousie's health services and to the extended counselling services of the Dalhousie counselling and psychological services centre.

The student counselling services office co-ordinates a number of services which are directed towards meeting the extra-academic needs of students at the college. These include personal, academic, financial aid, employment and international student counselling provided by the co-ordinator of student services or the dean of academic and student services.

The Ontario Institute for Studies in Education*

General Information

Address: 252 Bloor Street West, Toronto, Ontario M5S 1V6
Telephone: (416) 923-6641
Telex: 06-217720

Director: Walter Pitman, BS, MA, HonLLD

Inquiries: Direct general inquiries to the public communications office.
Direct inquiries concerning graduate studies to the assistant director (academic), Malcolm Levin, BA, MAT, EdD

Full-time faculty (1988-89): 146

History and Governance

The Ontario Institute for Studies in Education was established in 1965 by a provincial act which brought into a single organization the former departments of educational research and graduate studies of the University of Toronto's Ontario College of Education. In 1966 the Ontario Curriculum Institute became part of OISE. The institute is both the graduate department of education in the University of Toronto's school of graduate studies, and a research and field development institute in the field of education.

The institute is organized into 8 academic departments each of which is concerned with conducting research in a particular field of education and with the development of better educational methods and materials. A degree program in the field of higher education, and certificate programs in adult education, staff training and development, and school management are also offered. The institute offers some sections of courses in the MEd program off campus to make graduate study in education more readily available. The facilities of the institute enable advanced graduate students to participate directly in research or development programs in their field of scholarly interest. The field development program, carried out largely through field centres serving various regions of the province, helps demonstrate and implement research findings and new curriculum materials, and assists local educators. Faculty and students may participate in the program, either through the centres or the departments of the institute.

OISE is co-educational and under the control of a board of governors that reports to the provincial minister of education.

International Mandate

The Comparative, International and Development Education Centre stimulates and co-ordinates international development activities, aiming for long-term institutional co-operation between OISE and Third World institutions. The centre co-ordinates course offerings in graduate comparative, international, and development education. OISE has a long-term co-operative research program with Chilean institutions and works with a network of 25 Latin American educational research centres. It also conducts a wide range of development education activities for the general public. Contact: Dr. Joseph P. Farrell, Comparative, International and Development Education Centre. Telephone: (416) 923-6641 ext. 2361.

Buildings and Grounds

The institute is housed in a 12 storey building in the centre of Toronto, the provincial capital. A range of computing facilities is available to meet the data processing needs of staff and students. These include programming consultation, a reference library and courses as well as access to the University of Toronto computing centre.

Libraries

The R.W.B. Jackson Library includes holdings representing all levels and specializations in education, and additional holdings representing related humanities and social sciences, especially psychology and sociology. Total holdings in all formats include 656,000 items; 4,400 active serials are maintained, including more than 1,800 journal titles. The collection is strongly multimedia in character, including films, audio-cassettes, video-tapes, computer discs and tapes and multimedia learning kits. A curriculum resource collection represents school curriculum materials primarily in English and French, and an extensive collection of curriculum guidelines is maintained. Complete holdings of the ERIC (US) and ONTERIS (Ontario) information systems are maintained on fiche.

Special collections: A very comprehensive collection of Ontario school textbooks has been developed for which a fiche catalogue has been prepared. The collection is strong in holdings representing the development of Canadian adult education. A small special collection represents materials by and about the educator-activist Paulo Freire. A working collection of standardized psychological and educational tests is maintained for institute students.

Departmental resource holdings include a test collection (educational evaluation centre); specialized holdings on women's interests and studies (women's resource centre); modern languages and education; heritage languages (modern language centre).

General orientation is provided to the library's collection and services, including access to a color videotape "Resources for research". Guidance to special collections and services is also provided on request. A contract information service, RISE (Research Information Service for Education) is provided for extended information requests from the external

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community. On-line searching is provided from a broad range of databases.

Central libraries of the University of Toronto are within 15 minutes' walking distance of OISE. In addition, there are more than 40 specialized libraries on the university campus. Through its affiliation with the University of Toronto, OISE faculty and students have access to campus collections, as do University of Toronto faculty and students to the OISE library. The OISE library holdings appear in the University of Toronto campus union catalogue and holdings since 1978 appear in the university COM catalogue.

Programs and Degrees

One full credit normally represents 1 full course requiring either 3 lecture hours per week for 2 terms, or 6 lecture hours per week for 1 term. One half credit is usually equivalent to 3 lecture hours per week for 1 term. Extra partial credits may occasionally be awarded for labs or particularly demanding courses.

For detailed information on programs, see **Degrees, diploma and certificate programs** chapter.

Education

Master of education (MEd) 1 regular academic session and 2 summer sessions depending on the length of the program and if pursued on a full-time basis. May be taken part-time but must be completed within 6 years from enrolment as MEd candidate. Admission based on 4-year or 3-year BA or equivalent with at least mid-second class standing in final year except for counselling psychology where a 4-year degree in psychology is required. Teacher certification would be helpful and at least 1 year of relevant experience.

Master of arts (MA) 1 academic year plus thesis from closely related 4-year BA or equivalent, 2 years from 3-year BA or equivalent, or from 4-year BA not closely related with at least mid-second class standing in final year. In some areas of specialization the program is always 2 academic years. One-third of a year advanced standing granted in a 2-year program for teacher certification. A 1-year program must be completed within 5 years, a 2-year program within 6 years. One year residence required in some specializations but in some the MA can be pursued totally on a part-time basis.

Doctor of philosophy (PhD) At least 2 years residence beyond MA if continuing in same area of specialization. Must be completed within 6 years.

Doctor of education (EdD) University of Toronto MEd or MA in educational theory, or equivalent, with high standing. Minimum residence requirement 1 academic year full-time study except for counselling psychology where 2 years is required. Applicants whose masters did not include thesis required to complete qualifying research paper.

Note: OISE graduate degrees in education do not carry certification for teaching in Ontario.

Continuing education

Courses scheduled after hours for part-time students during regular academic session. Summer session offers courses primarily for MEd; under certain circumstances MA, PhD and EdD students may also take summer courses for credit.

Admission Requirements

See graduate admission under the heading Admission Requirements in the University of Toronto chapter.

Application Deadlines

Final date for receipt of application for admission forms and applications for graduate assistantships is February 1 for the winter regular session; February 1 for new part-time students.

Costs (1987-1988)

Tuition: Full-time per year, $1,500. International students, $6,888 per year.

Miscellaneous: Compulsory fees per year, $186.90

All fees subject to change without notice.

Academic Year

Winter session: Mid-September to end of April. Summer session: Early July to mid-August, with required pre-session reading and post-session papers.

Grading System

Grading system is as follows: A+, A, A-, B+, B, B-, or F.

Student Life and Services

All OISE students, both full and part-time, are members of the graduate students' association. The objectives of the association are: (a) to promote the welfare and interests of full-time, part-time and special students at OISE; (b) to co-ordinate the governmental activities of students in the various departments and decision-making bodies of the institute; (c) to initiate, sponsor, and promote athletic, cultural, and social events of interest to OISE students; and (d) to represent OISE students in matters of their interest: Level of student funding, quality of programs and improved student services.

Accommodation may be obtained for a limited number of students at the University of Toronto. The university's housing service will also assist students to find off campus accommodation.

The facilities of the University of Toronto health services are available to faculty and to registered students of OISE. No special fee is required. The service includes first-aid, consultation with a physician and psychiatric advice. It does not include dental care.

The University of Toronto international student centre offers services and facilities to overseas students. Inquiries regarding customs regulations, accommodation and medical and hospital insurance should be directed to the centre.

Université d'Ottawa*

English version follows/Le texte anglais se trouve à la suite.

Renseignements généraux

Adresse : Ottawa (Ontario) K1N 6N5
Téléphone : (613) 564-3311
Télex : 0533338
Télécopieur : (613) 564-9100

Recteur et vice-chancelier : Marcel Hamelin, BA, Lèsl, DipES, DLett, MSRC

Demandes de renseignements : Prière d'adresser la correspondance générale au registraire, George H. von Schoenberg, BS, DiplPA, MA

Coordonnateur de la liaison : Joanne Forest, BPHE

Professeurs à temps plein (1989-1990): 1 120

Historique et statuts

Le Collège de Bytown, future Université d'Ottawa, a été fondé en 1848 par les missionnaires Oblats de Marie-Immaculée. Erigé en corporation en 1849, l'institution a pris le nom de Collège d'Ottawa en 1861 et a été élevée au rang d'université en 1866 en vertu d'une loi du gouvernement d'Union. Elle est devenue université pontificale en 1889 en vertu d'un décret du pape Léon XIII. La charte civile remaniée a été sanctionnée par la législature d'Ontario en 1933 et la charte pontificale amendée a reçu une nouvelle approbation de Rome en 1934. Au mois de juillet 1965, en vertu d'une loi de la province d'Ontario, les facultés de théologie et de droit canon ont été groupées pour former l'Université Saint-Paul, qui est fédérée à la nouvelle Université d'Ottawa et représentée à son sénat.

L'Université d'Ottawa est un établissement bilingue à caractère public, mixte et non confessionnel. L'administration de l'université relève d'un bureau des gouverneurs composé de 32 membres et d'un sénat composé de 64 membres.

Mandat international

L'institut est l'agent de liaison et de coordination de l'université en matière de coopération au développement international. Il prépare des cadres, poursuit des recherches, s'engage dans des projets de coopération institutionelle directe avec des pays en développement, et gère des projets de développement pour des agences extérieures. L'institut offre un Programme d'études supérieures en développement international, et des sessions de perfectionnement en gestion du développement. L'institut publie, 2 fois par année, la Revue canadienne d'études du développement et un bulletin, et organise des activités d'éducation du public. S'adresser à : M. Georges Hénault, Directeur, Institut de développement international et de coopération. Téléphone : (613) 564-2340.

Bâtiments et terrains

Le campus principal de l'université occupe 83 acres au coeur d'Ottawa, dans le quartier de la Côte-de-Sable, et longe la rive est du Canal Rideau sur une distance de 1 km. La faculté de médecine, l'école des sciences infirmières et les programmes de réadaptation sont installés sur un campus satellite qui fait partie du complexe des sciences de la santé d'Ottawa, à Alta Vista, 3 km au sud du campus principal. En 1988, l'université a inauguré un nouveau pavillon de musique. Les 2 campus comprennent 19 édifices pour l'enseignement et 5 résidences d'étudiants. Les 2 campus sont bien desservis par les transports en commun de la région. Le stationnement dans les parcs de stationnement de l'université est réservé aux détenteurs de permis.

Bibliothèques

Les collections du réseau des bibliothèques comprennent 3 376 460 unités physiques, dont 1 509 433 monographies, 11 901 périodiques, 354 500 publications gouvernementales, le reste est, pour la plupart des cartes et des documents audiovisuels. Elles sont réparties entre 4 bibliothèques principales et 3 centres de documentation. La bibliothèque Morisset (humanités et sciences sociales) contient la majeure partie de la collection. Elle est aussi le siège des services administratifs et des services techniques. La bibliothèque Vanier dessert les facultés des sciences et de génie, la bibliothèque des sciences de la santé la faculté des sciences de la santé, et la bibliothèque de droit la faculté de droit (droit commun et droit civil).

Les étudiants ayant un handicap quelconque peuvent bénéficier des services spécialisés que leur offre le réseau des bibliothèques en s'y adressant.

Programmes et grades

Les langues d'enseignement sont le français et l'anglais. Après l'obtention du diplôme d'études secondaires de l'Ontario (DESO), lequel doit inclure un minimum de 6 cours préuniversitaires de l'Ontario (CPO) ou cours de 13^{e} année, le cours du baccalauréat général et du baccalauréat avec spécialisation est de 3 ans et le cours du baccalauréat spécialisé est de 4 ans, sauf indication contraire. Au niveau de la maîtrise, le cours est d'au moins 1 an après un baccalauréat spécialisé, sauf indication contraire. Pour un doctorat, on exige au moins 2 ans après la maîtrise, sauf indication contraire.

On trouvera des détails sur les programmes au chapitre **Programmes préparant à un grade, un diplôme ou un certificat.**

Administration

Certificat en administration des affaires. Programme à temps partiel (30 crédits).

* Membre ordinaire de l'AUCC

Certificat en administration des arts. Programme à temps partiel (30 crédits).
Certificat en relations industrielles. Programme à temps partiel (30 crédits).
Certificat en administration publique. Programme à temps partiel (30 crédits).
Baccalauréat en administration (BAdm) 3 ans après le DESO.
Baccalauréat spécialisé en sciences commerciales (BCom)
Maîtrise en administration des affaires (MBA) 2 ans après le baccalauréat.
Maîtrise en administration des affaires/Licence en droit (MBA/LLL) programme combiné 4 ans après le baccalauréat.
Maîtrise en gestion des services de santé (MGSS) 2 ans après le baccalauréat.

Arts

Certificat en rédaction française et anglaise. Programme à temps partiel (30 crédits).
Baccalauréat ès arts (BA) général, concentration, spécialisation.
Baccalauréat en arts visuels (BAV) programme de 4 ans.
Bacccalauréat en musique (BMus) programme de 4 ans.
Diplôme en interprétation. Programme principalement à temps partiel (30 crédits).
Diplôme en traduction espagnole. Programme principalement à temps partiel (30 crédits).
Diplôme en traduction juridique (42 crédits). Offert en collaboration avec la Faculté de droit.
Maîtrise en musique (MMus). Normalement 2 ans après le baccalauréat.
Maîtrise ès arts (MA)
Doctorat en philosophie (PhD)

Common law

Bachelor of laws (LLB) programme en français 3 ans après un baccalauréat ou avoir terminé 2 années de 1er cycle universitaire ou un diplôme jugé équivalent.

Développement international et coopération

Diplôme en développement international et coopération. Programme d'une durée d'un an à temps complet. Le programme peut également être suivi à temps partiel.

Droit civil

Certificat général en droit. Programme à temps partiel (30 crédits).
Licence en droit (LLL) 3 ans après un baccalauréat ou un diplôme jugé équivalent.
Licence en droit/Maîtrise en administration des affaires. Voir administration.
Diplôme de droit notarial (DiplDN) programme d'un an après la LLL.
Bachelor of laws/Licence en droit (LLB/LLL) programme spécial. Environ 36 crédits après l'obtention, avec d'excellentes notes, du diplôme LLB. Programme contingenté. Pour tout renseignement, prière de s'adresser au service du registraire, section de l'admission.
Diplôme d'études spécialisées en droit (DiplESD) programme d'un an après la LLL (24 crédits).
Diplôme en rédaction législative. Programme d'un an après la LLL.
Maîtrise en droit (LLM). Thèse.
Doctorat en droit (LLD) Au moins 4 sessions à temps complet ou l'équivalent à temps partiel après la maîtrise en droit.

Droit canonique

Les cours se donnent à l'Université Saint-Paul. Voir chapitre correspondant.

Éducation

Baccalauréat en éducation (BEd) 1 an après un baccalauréat. Le BEd rend admissible à la maîtrise en éducation.
Maîtrise en éducation (MEd) 2 ans après un baccalauréat ou 1 an après le BEd. Sans thèse.
Maîtrise ès arts en éducation [MA(Ed)] 2 ans après un baccalauréat ou 1 an après le BEd. Thèse.
Doctorat en éducation (PhD) Au moins 2 [illegible] après la maîtrise ès arts en éducation ou l'équivalent.

Génie

Baccalauréat ès sciences appliquées (BScA) grade professionnel. Programme de 4 ans.
Maîtrise en ingénierie (MIng) sans thèse.
Maîtrise en ingénierie (gestion en ingénierie) (MIng).
Maîtrise ès sciences appliquées (MScA) thèse.
Doctorat en philosophie (PhD)

Médecine

Baccalauréat en sciences médicales (BScMed) A l'intention des étudiants en médecine. Deux étés.
Doctorat en médecine (MD) programme de 4 ans après le BSc ou l'équivalent. Détails dans l'annuaire de l'université.
Diplôme d'études supérieures en psychiatrie 2 ans après le MD.
Maîtrise ès sciences (MSc)
Doctorat en philosophie (PhD) 2 ou 3 ans après la MSc, ou 3 ou 4 ans après le BSc spécialisé ou le MD.

Sciences

Baccalauréat ès sciences (BSc) général, concentration, spécialisation.
Maîtrise ès sciences (MSc)
Maîtrise en informatique (MI).
Doctorat en philosophie (PhD)

Sciences de la santé

Baccalauréat en éducation physique (BEP) programme de 4 ans.
Baccalauréat ès sciences en kinanthropologie [BSc(Kin)]
Baccalauréat ès sciences en ergothérapie [BSc(physio)] programme de 4 ans.
Baccalauréat ès sciences en physiothérapie (BSc) programme de 4 ans.
Baccalauréat ès sciences infirmières (BScInf) programme de 4 ans. Programme de 3 ans pour les infirmières autorisées.

Maîtrise en éducation physique [MEP(Admin)]
Maîtrise ès sciences en kinanthropologie [MSc(Kin)]

Sciences missionnaires
Les cours se donnent à l'Université Saint-Paul. Voir chapitre correspondant.

Sciences pastorales
Les cours se donnent à l'Université Saint-Paul. Voir chapitre correspondant.

Sciences sociales
Certificat en criminologie (33 crédits).
Certificat en gestion des ressources récréatives (33 crédits).
Certificat en loisir communautaire (33 crédits).
Baccalauréat ès arts (BA) en psychologie concentration, spécialisation.
Baccalauréat en sciences sociales (BScSoc) concentration, spécialisation.
Maîtrise ès arts (MA)
Maîtrise en criminologie appliquée (MCA)
Doctorat en philosophie (PhD) en psychologie. Quatre ans après le BA avec spécialisation en psychologie ou l'équivalent.
Doctorat en philosophie (PhD) en science économique.

Théologie
Les cours se donnent à l'Université Saint-Paul. Voir chapitre correspondant.

Programmes spéciaux
Programmes d'enseignement coopératif en administration, en génie, en informatique, en mathématiques, en géographie, en histoire, en traduction et en sciences du loisir.

Programmes interdisciplinaires au niveau du baccalauréat en études canadiennes, en études médiévales, en études des femmes et en management et politique publics.

Programmes conjoints : L'Université d'Ottawa et Carleton University ont établi des programmes conjoints de maîtrise et de doctorat en sciences économiques, en biologie, en chimie, en géologie, en informatique, en mathématiques et statistique, en physique, en génie civil, en génie électrique et en génie mécanique et aéronautique. Une spécialisation conjointe en neuroscience est aussi offerte. La liste des instituts de recherche fondés pour les administrer se trouve à la fin du chapitre.

Éducation permanente
Des cours du soir et d'été au niveau du baccalauréat sont offerts à l'université et aux centres extérieurs de Cornwall, Hawkesbury et Pembroke. Pour renseignements, s'adresser au service du registraire. Au niveau des études supérieures, s'adresser à l'école des études supérieures et de la recherche. Pour les cours par téléconférence, par correspondance ou télédiffusés, s'adresser au service de l'éducation permanente.

Le service de l'éducation permanente offre une variété d'activités concernant les arts, les sciences et les humanités. Ces activités, de durée et de format variables, n'exigent pas de préalables. Pour renseignements, s'adresser au service.

Pour certification professionnelle
Cours conduisant à la certification telle CA., CGA, RIA, de certaines associations professionnelles. Pour renseignements, s'adresser à la faculté d'administration.

Conditions d'admission

Les conditions d'admission ci-après indiquées sont les conditions générales de l'université. Pour être admis à un programme en particulier, il faut, en plus, satisfaire aux conditions particulières d'admission de la faculté ou de l'école qui offre ce programme. Ces conditions paraissent dans l'annuaire de la faculté. Puisque le nombre de demandes d'admission peut dépasser le nombre de places disponibles dans certains programmes, l'université peut être obligée de limiter l'admission aux candidats les mieux qualifiés.

Année présciences pour programmes en sciences ou en génie
Les candidats des écoles secondaires de l'Ontario ayant obtenu au moins 24 crédits avec une moyenne générale de 65 % et une moyenne de 65 % en sciences et mathématiques peuvent faire une demande en présciences, année préalable à des études en sciences ou en génie, s'ils ont un crédit en français (FRA 4A) ou en English (ENG 4A), un en mathématiques (MAT 4A), un en physique (PHY 4A) et un en chimie (CHM 4A).

Baccalauréat
Admission à la première année (à l'exclusion de médecine, droit et éducation).

Ontario (exigences générales) : Les étudiants des écoles secondaires de l'Ontario qui font une demande d'admission à l'Université d'Ottawa doivent détenir le diplôme d'études secondaires de l'Ontario (DESO), lequel doit inclure un minimum de 6 cours préuniversitaires de l'Ontario (CPO). Les étudiants qui terminent actuellement leur 13e année seront aussi considérés dès la fin du DESO ou du diplôme d'études secondaires supérieures de l'Ontario (DESSO). Une moyenne d'admission de 65 %, calculée à partir des 6 meilleurs résultats des cours de 13e ou des CPO incluant les cours exigés, est requise pour l'admission à la faculté concernée. On voudra bien noter que le fait de satisfaire aux exigences minimales d'admission ne garantit pas pour autant l'admission. En général, les programmes contingentés exigent une moyenne générale plus élevée. Le nombre de demandes d'admission peut dépasser le nombre de places disponibles dans certains programmes. Dans ce cas, l'université peut être obligée de limiter le nombre d'offres d'admission selon des critères particuliers. La décision d'admettre un étudiant ne tient pas compte du temps qu'il a pris pour obtenir son diplôme d'études secondaires de l'Ontario. L'université encourage les étudiants des écoles secondaires à acquérir une préparation aussi variée que possible dans l'obtention du DESO tout en tenant compte des exigences particulières d'admission du programme

auquel ils désirent s'inscrire. Pour les renseignements précis concernant les cours préalables et les moyennes d'admission requises, veuillez consulter la publication "Conditions d'admission pour les diplômés des écoles secondaires de l'Ontario" disponible au bureau de l'admission de l'université.

Québec : Les candidats des cégeps doivent avoir réussi 12 cours de formation générale (cégep I d'un programme général ou l'équivalent pour un programme de cégep professionnel), avec une moyenne générale finale d'au moins 65 %. Les candidats ayant réussi plus de 12 cours de formation générale au cégep peuvent obtenir des équivalences s'ils satisfont à certaines conditions. Pour les connaître, consulter la publication annuelle "Conditions d'admission, Québec". L'université accepte un nombre limité de candidats (25) qui ont terminé leur secondaire V avec une moyenne générale très élevée (au moins 85 %). Ces candidats peuvent faire une demande en première année dans les facultés suivantes : administration, arts et sciences sociales. Pour être admis, l'étudiant doit avoir réussi un minimum de 5 cours de formation générale au niveau du secondaire V. Les candidats qui désirent être admis en présciences (pour les programmes en sciences et en génie) doivent avoir une moyenne générale de 65 % dans les cours mathématiques-sciences, et doivent avoir suivi mathématiques, chimie et physique au secondaire V.

Autres provinces : Les candidats doivent avoir réussi un programme d'études jugé équivalent au diplôme d'études secondaires de l'Ontario incluant 6 cours préuniversitaires de l'Ontario ou de 13^{e} année. Les niveaux scolaires reconnus comme tels sont : Alberta, Ile-du-Prince-Edouard, Manitoba, Nouveau-Brunswick, Nouvelle-Écosse, Saskatchewan et Terre-Neuve : 12^{e} année; Colombie-Britannique : 12^{e} année (C de moyenne), 12 cours de 11^{e} et 12^{e} années avec 4 cours de cote 12.

Baccalauréat international : Les détenteurs d'un baccalauréat international peuvent faire leurs demandes en démontrant qu'ils possèdent 6 matières dont au moins 3 de niveau avancé et que le total de leurs notes est égal ou supérieur à 24. Des équivalences peuvent être accordées aux candidats dont le total des notes est égal ou supérieur à 30 seulement pour les matières de niveau avancé. La répartition des matières présentées doit correspondre aux exigences de la faculté, telle qu'indiquée pour les diplômés des écoles secondaires de l'Ontario.

Candidats venant des autres universités

Les candidats des autres universités sont admissibles à condition que leur dossier scolaire réponde aux exigences d'admission et de promotion de l'université et que leur dossier démontre qu'ils sont réadmissibles, sans condition, à l'université qu'ils fréquentaient. Le comité d'admission pertinent détermine les équivalences, s'il y a lieu, conformément aux règlements à cet effet.

Candidats venant des collèges d'arts appliqués et de technologie

Les candidats ayant terminé 2 années d'un programme peuvent être considérés pour l'admission en première année. Ceux ayant terminé 3 ans peuvent être considérés pour l'admission avec équivalences pour un maximum d'une année d'études. Les équivalences accordées dépendent des cours terminés, de la moyenne obtenue et du programme à l'université. Ces candidats doivent satisfaire aux exigences particulières de la faculté concernée.

Étudiants adultes

Les candidats dont le dossier scolaire ne satisfait pas aux conditions établies peuvent être admis comme étudiants réguliers aux conditions suivantes : a) être citoyens canadiens ou résidents permanents; b) ne pas avoir fait d'études à temps complet depuis 2 ans; c) offrir, de l'avis du comité d'admission, des garanties de succès scolaire; d) satisfaire aux exigences particulières de la faculté concernée. Les candidats adultes doivent présenter un relevé de notes (s'il y a lieu), 2 lettres de recommandation et toute autre pièce justificative et résultats de tests dont le comité d'admission peut juger nécessaire.

Grades supérieurs

Les titulaires d'un baccalauréat spécialisé ou de l'équivalent, avec au moins classe II (B), peuvent être admissibles à un programme de maîtrise dans la discipline de leur spécialisation. Les titulaires d'un baccalauréat général ou de l'équivalent, avec au moins classe II, peuvent être admissibles à un programme de propédeutique. Pour l'admission aux études de doctorat, il faut présenter un dossier universitaire de qualité supérieure, avec une moyenne d'au moins B+ ou l'équivalent.

Étudiants étrangers

La scolarité de tout candidat à un programme de 1er cycle doit correspondre au niveau exigé des étudiants de l'Ontario pour fin d'admissibilité. En plus des conditions générales d'admission, chaque faculté établit ses propres exigences d'admission, en fonction du programme demandé par le candidat. Chaque candidat doit maîtriser l'anglais ou le français. Les candidats dont la langue maternelle ou la langue d'instruction est autre que l'anglais ou le français doivent soumettre les résultats de l'un des tests de langue suivants : anglais, The University of Michigan English Proficiency Test; The Certificate of Proficiency in English émis par Cambridge University, le test TOEFL (Test of English as a Foreign Language); français, le test de français langue seconde est offert par l'Université d'Ottawa. Pour obtenir des renseignements concernant les conditions d'admission selon le pays d'origine et le programme ainsi que sur les exigences de langue, on consultera la brochure "Candidats étrangers" publiée par l'université.

Pour être admis aux études supérieures, les candidats doivent satisfaire aux exigences minimales décrites ci-dessus, ainsi qu'aux exigences supplémentaires des départements s'il y a lieu. Les candidats dont la langue maternelle n'est ni le français ni l'anglais doivent fournir une preuve de compétence dans la langue d'enseignement. Voir l'annuaire de l'école des études supérieures et de la recherche.

L'université recommande fortement aux candidats de pays étrangers de soumettre leur demande de "Permis de séjour pour étudiants" au même moment que leur demande d'admission à l'université. Les demandes de permis peuvent être faites aux bureaux d'un haut-commissariat canadien, d'une ambassade, d'un consulat ou d'un agent consulaire.

Demandes et délais

Les délais fixés pour l'envoi des demandes d'admission dépendent de la discipline dont il s'agit. Prière de consulter l'annuaire de la faculté en question ou la publication annuelle "Conditions d'admission". La date limite pour la réception des demandes venant de l'extérieur du Canada et des États-Unis : 1er février.

Études supérieures et de la recherche : normalement les demandes d'admission et tous les documents à l'appui doivent être soumis au moins un mois avant le début d'une session (6 mois dans le cas des demandes venant de l'étranger). Il est à souligner que plusieurs départements ont établi des dates limites plus avancées pour la réception des demandes d'admission.

Année universitaire

Baccalauréat : session régulière, de la mi-septembre à la fin d'avril; session été - soir, début mai à la fin juin et de la fin juin à la mi-août; session été - jour, début juillet à la mi-août. Études supérieures : 3 sessions, automne (septembre à décembre); hiver (janvier à avril); printemps (mai à août).

Système de notation

Au niveau du baccalauréat : A+, 10(90-100 %); A, 9(85-89 %); A-, 8(80-84 %); B+, 7(75-79 %); B, 6(70-74 %); C+, 5(66-69 %); C, 4(60-65 %); D+, 3(55-59 %); D, 2(50-54 %); E, 1(40-49 %) échec avec droit de reprise; F, 0(0-39 %), échec sans droit de reprise. Au niveau des études supérieures : A+, 10(90-100 %); A, 9(85-89 %); A-, 8(80-84 %); B+, 7(75-79 %); B, 6(70-74 %); C+, 5(66-69 %); C (60-65 %); D+ (55-59 %); D (50-54 %); E (40-49 %); F (0-39 %); toute note inférieure à C+ constitue un échec.

Vie étudiante et services aux étudiants

La Fédération étudiante de l'Université d'Ottawa (FEUO), qui remonte au XIXe siècle, est membre de la Fédération des étudiants de l'Ontario et de la Fédération canadienne des étudiants. Elle représente tous les étudiants du 1er cycle à temps complet et à temps partiel, qui en deviennent membres en acquittant leurs frais universitaires. L'organe suprême décisionnel est l'assemblée étudiante (30 membres) qui rassemble les représentants des corps fédérés facultaires. L'exécutif siège à l'assemblée étudiante mais il élu par l'ensemble des étudiants. Il se compose d'un président et de 4 vice-présidents affectés aux activités sociales, aux finances, aux affaires universitaires et aux affaires extérieures. Ceux-ci travaillent avec l'assemblée étudiante pour coordonner la représentation politique des étudiants à divers comités, au bureau des gouverneurs et au sénat, et pour offrir des services aux étudiants.

La fédération étudiante organise des activités, notamment une semaine d'accueil, et elle gère des entreprises étudiantes : l'Equinoxe (bar étudiant), le Presto (restauration-minute), le Pivik (dépanneur), le Zipper (magasin de vêtements), Grafed (studio d'art graphique et publicité), Ciné-Fédé. La FEUO offre aussi un service d'autobus-navette à destination de Montréal et Toronto aux congés, un service de tuteurs et un service de livres usagés.

En dehors de la vie politique étudiante, il existe un éventail d'activités périscolaires : clubs politiques, culturels et religieux, société des débats, chorale, radio communautaire (CFUO), journaux étudiants (La Rotonde et The Fulcrum). Les départements de théâtre et de musique enrichissent la vie culturelle du campus avec leurs productions théâtrales et musicales.

Des services aux étudiants sont offerts à l'université et sont administrés par le directeur général des services aux étudiants, avec la participation des étudiants, des associations professionnelles sur le campus, des facultés, des écoles et des services administratifs de l'université. Il y a 9 services : aide financière, bourses et étudiants étrangers; centre universitaire; counselling; librairies; logement; pastorale; placement; santé; sports.

Seuls les étudiants à temps complet peuvent loger à l'université. La résidence Leblanc peut loger 109 étudiants; la résidence Marchand, 343; la résidence Stanton, 357 et la résidence Thompson, 459. Le complexe résidentiel Brooks, qui comprend 202 appartements, accueille 708 étudiants, y compris des couples, des petites familles et des personnes handicapées. Le service du logement tient un registre des endroits hors campus où peuvent loger les étudiants, depuis les chambres meublées, avec ou sans pension, jusqu'aux appartements meublés.

Le Centre universitaire, situé au coeur du campus principal, est un foyer de vie communautaire : activités culturelles, salles de spectacle, cafétéria, salle à manger, 2 bars, salles de réunion, de dactylographie, de télévision, de jeux et de musique. On y trouvent aussi Info-campus, la librairie universitaire, un bureau de poste, les bureaux de la fédération étudiante et de la plupart des services aux étudiants ainsi que diverses boutiques commerciales.

Le service des sports offre aux étudiants 5 programmes récréatifs : interuniversitaire, intra-muros, clubs sportifs, participation libre, cours et initiation. Les installations sportives comprennent une piscine, 3 gymnases, une salle de musculation, une salle pour les sports de combat, des courts de squash et de racquetball.

Le service de santé offre des soins médicaux prodigués par une équipe de généralistes ou médecins de famille et des infirmières autorisées. Les règlements de

l'université exigent que chaque étudiant soit protégé par une assurance maladie et une assurance hospitalisation.

Le service de counselling de l'université offre tout un éventail de programmes individuels et collectifs dans les domaines suivants : méthodes d'études, orientation scolaire et professionnelle, croissance personnelle, relaxation, affirmation de soi. Le logiciel de carrière CHOIX est aussi disponible. Le centre d'information sur les carrières offre des renseignements sur les programmes d'études postsecondaires, sur les carrières et sur les employeurs. Le service du counselling gère de plus le service de placement, qui est un Centre d'emploi du Canada sur campus. Il est responsable du counselling d'emploi pour les étudiants en plus de fournir un service de placement pour emplois à temps complet, à temps partiel et d'été axés ou non sur la carrière.

Le conseiller aux étudiants étrangers, du service de l'aide financière, accueille les étudiants étrangers, leur donne conseils et renseignements, les aide à résoudre leurs problèmes personnels et à se conformer aux nombreux règlements tant universitaires que gouvernementaux.

Les services aux étudiants handicapés sont coordonnés par l'adjoint au directeur général des Services aux étudiants. Après évaluation des besoins spéciaux, des services d'appui technique sont offerts selon la nature du handicap physique ou du trouble d'apprentissage. L'endroit où se donne un cours peut être modifié s'il n'est pas accessible. Du matériel spécialisé est aussi disponible.

La garderie Bernadette offre un programme bilingue de qualité pour les enfants des étudiants et des employés de l'Université. La garderie est autorisée par le Ministère des services sociaux et communautaires et peut accueillir 49 enfants (10 poupons, 15 bambins, 24 préscolaires). Les tarifs quotidiens sont 39,50 $ (poupons), 29,20 $ (bambins) et 24,80 $ (préscolaires), 22 places subventionnées sont offertes à des parents admissibles, par l'entremise de la municipalité d'Ottawa-Carleton.

Organismes et centres de recherche

Centre de recherche en civilisation canadienne-française. Directeur : Y. Grisé, BA, BPéd, LèsL, MLett, PhD

Centre de recherche et d'enseignement sur les droits de la personne. Directeur : W.W. Black, AB, JD

Institut de développement international et de coopération. Directeur : G. Hénault, MBA, DScEcon, Drd'Etat

Centre de droit et politique commerciale (conjoint avec Carleton). Directeur : M. Hart

Centre de recherche en communications d'Ottawa-Carleton. Directeur : D.D. Falconer, BASc, PhD (Carleton)

Centre de recherche en communications médicales. Directeur : M. Goldberg, BSc, PhD

Centre international des ressources en eau. Directeur intérimaire : R.L. Droste, BS, MASc, PhD

Centre pour l'automation de la fabrication de matériaux composites.

Centre scientifique et technologique en électrochimie. Directeur : W.A. Adams, BSc, PhD

Institut Brian Assaly de recherche neuromusculaire.

Institut d'environnement-économie. Directeur : P.A. Keddy, BSc, PhD

Institut de cardiologie de l'Université d'Ottawa à l'Hôpital Civic d'Ottawa. Directeur général : W.J. Keon, OC, BSc, MD, MSc, FRCSCan

Institut de l'oeil. Directeur : A.G. Watson, MB, FRCSCan

Institut de recherche en biotechnologie. Directeur : C.Y. Kang, BSA, PhD

Institut de recherche en membranes industrielles. Directeur : S. Sourirajan, DEng, FCIC, PhD

Institut de recherche en télécommunications de l'Ontario (un centre d'excellence de l'Ontario qui comprend également les universités McMaster, Carleton et Queen's). Directeur : P. Leach

Institut de recherche pour les ponts d'Ottawa-Carleton. Directeur : J.L. Humar, BSc, MTech, PhD (Carleton)

Les centres, instituts et programmes qui suivent ont été établis par l'Université d'Ottawa et Carleton University afin d'offrir des programmes conjoints d'études supérieures dans certaines disciplines. Les directeurs sont à l'Université d'Ottawa, sauf indication contraire.

Centre géoscientifique d'Ottawa-Carleton. Directeur : K. Bell, BSc, DPhil (Carleton)

Institut de biologie d'Ottawa-Carleton. Directeur : J.T. Arnason, BSc, PhD

Institut de chimie d'Ottawa-Carleton. Directeur : J.S. Wright, BS, PhD (Carleton)

Institut de génie civil d'Ottawa-Carleton. Directeur : N.J. Gardner, BSc, PhD

Institut de génie électrique d'Ottawa-Carleton. Directeur : B.A. Syrett, MEng, PhD (Carleton)

Institut de génie mécanique et aéronautique d'Ottawa-Carleton. Directeur : J.Y. Wong, BSc, PhD

Institut d'informatique d'Ottawa-Carleton. Directeur : J.R. Sack (Carleton)

Institut de mathématiques et statistique d'Ottawa-Carleton. Directeur : M.J. Moore, MSc, PhD (Carleton)

Institut de physique d'Ottawa-Carleton. Directeur : B. Hird, BA, MA, DPhil

Spécialisation en neuroscience d'Ottawa-Carleton. Coordonnateur à Ottawa : T.R. Pivik, BA, MA, PhD

Programme conjoint de doctorat en sciences économiques d'Ottawa-Carleton. Directeur : J.S. Ferris, BCom, MA, PhD (Carleton)

Chaires de recherche

Chaire Alcan-CRSNG de recherche industrielle en électrochimie fondamentale et appliquée. Brian E. Conway, BSc, PhD, DSc, DIC, FRSChem, FCIC, FRSCan

Chaire conjointe Ottawa-Carleton en études des femmes. L'hon. Monique Bégin, CP, BA, MA, PhDhon, LLDhon

Chaire de recherche industrielle en systèmes de bases de données multi-médias.

Chaire en culture et histoire slovaques.

Chaire en droits de la personne.

Chaire en études celtiques. Gordon Maclennan, MA, PhD

Chaire Hyman Soloway du droit des affaires et du commerce.

Chaire Jason A. Hannah en histoire de la médecine. Toby Gelfand, BS, PhD

Chaire RBN-CRSNG de recherche industrielle en technologie de la transmission des signaux. William F. McGee, BASc, MA, PhD

Université fédérée

Université Saint-Paul. Voir chapitre correspondant.

University of Ottawa*

General Information

Address: Ottawa, Ontario K1N 6N5
Telephone: (613) 564-3311
Telex: 0533338
Fax: (613) 564-9100

Rector and Vice-chancellor: Marcel Hamelin, BA, LèsL, DiplES, DLett, MSRC

Inquiries: Direct general correspondence to the registrar, George H. von Schoenberg, BS, DiplPA, MA

Co-ordinator of liaison: Joanne Forest, BPHE

Full-time faculty (1989-90): 1,120

History and Governance

The University of Ottawa was founded as the College of Bytown in 1848 by the Missionary Oblates of Mary Immaculate. Incorporated in 1849, it became the College of Ottawa in 1861 and was raised to the rank of university in 1866 by an act of the union government. In 1889 it became a pontifical university by decree of Pope Leo XIII. The revised civil charter was approved by the Ontario legislature in 1933 and the amended pontifical charter was given a new approval by Rome in 1934. By virtue of the University of Ottawa Act, 1965, the faculties of theology and canon law were grouped as Saint Paul University, federated to the new University of Ottawa, with representation in its senate.

The University of Ottawa is a bilingual, co-educational, non-sectarian institution, subsidized by the government of Ontario. Administration of the university is vested in a 32-member board of governors and a 64-member senate.

International Mandate

The Institute is the university's liaison and co-ordinator for international development. It trains managers, conducts research, participates in direct linkage international co-operation projects with developing countries, and manages development projects for external agencies. The institute offers a graduate program in international development and training sessions in development management. It publishes the Canadian Journal of Studies twice a year as well as a bulletin, and organizes public education activities. Contact: Dr. Georges Hénault, director, Institute for International Development and Co-operation. Telephone: (613) 564-2340.

Buildings and Grounds

The university's main campus, which covers an area of 83 acres, is situated in the downtown Sandy Hill district of Ottawa and extends over a distance of 1 km along the east bank of the Rideau Canal. The faculty of medicine, the school of nursing and the rehabilitation programs form a satellite campus, on the site of the Ottawa Health Sciences Centre in suburban Alta Vista, about 3 km south of the main campus. In 1988 the university inaugurated a new music building. There are now 19 teaching buildings and 5 student residences on 2 campuses. The regional transit system serves both campuses. Parking in university lots is by permit only.

Libraries

The library collection comprises 3,376,460 items of which 1,509,433 are volumes, 11,901 periodical subscriptions, 354,500 government publications, the rest being mainly maps and audio-visual material; it is housed in 4 major units and 3 smaller specialized collections. The largest of these is the Morisset Library (humanities and social sciences), which also houses centralized administrative and technical services. The Vanier Library serves the faculties of science and of engineering; the health sciences library the faculty of health sciences; and the law library the faculty of law (common and civil).

Special services are provided by the library network for students with any type of disability. Assistance is available upon request.

Programs and Degrees

The languages of instruction are French and English. General bachelor's degrees and bachelor's degrees with a concentration require 3 years (90 credits) from the Ontario secondary school diploma (OSSD) unless otherwise specified. Honors bachelor's degrees require 4 years (120 credits) from the OSSD unless otherwise specified. Master's degrees require at least 1 year from honors bachelor's degree unless otherwise specified. Doctorates require at least 2 years from master's degree unless otherwise specified.

Three credits normally represent 3 lecture hours per week for 1 term. Six credits are usually equivalent to either 3 lecture hours per week for 2 terms or 6 lecture hours per week for 1 term. Extra credits may occasionally be awarded for labs.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Administration

Certificate in art administration. Part-time program (30 credits).
Certificate in business administration. Part-time program (30 credits).
Certificate in labor-management relations. Part-time program (30 credits).
Certificate in public administration. Part-time program (30 credits).
Bachelor of administration (BAdm) 3 years beyond the OSSD.
Honors bachelor of commerce (BCom)
Master in business administration (MBA) 2 years from bachelor's degree.

* Ordinary member, AUCC

Master of business administration/Bachelor of laws (MBA/LLB) Combined program, 4 years from bachelor's degree.
Master in health administration (MHA) 2 years from bachelor's degree.

Arts
Certificate in French and English writing skills. Part-time program (30 credits).
Bachelor of arts (BA) general, concentration, honors.
Bachelor of fine arts (BFA) 4-year program.
Bachelor of music (BMus) 4-year program.
Diploma in interpreting. Primarily part-time (30 credits).
Diploma in legal translation (42 credits). Offered in collaboration with the faculty of law.
Diploma in Spanish translation. Primarily part-time (30 credits).
Master of music (MMus). Normally 2 years from bachelor's degree.
Master of arts (MA)
Doctor of philosophy (PhD)

Canon law
Courses are offered at Saint Paul University. See separate entry.

Civil law
See droit civil (French text)

Education
Bachelor of education (BEd) 1 year from bachelor's degree. The BEd may qualify towards admission in the MEd program.
Master of education (MEd) 2 years from bachelor's degree or 1 year from BEd. No thesis.
Master of arts in education [MA(Ed)] 2 years from bachelor's degree or 1 year from BEd. Thesis.
Doctor of philosophy (PhD) At least 2 years from MA(Ed) or equivalent.

Engineering
Bachelor of applied science (BASc) Professional degree, 4-year program.
Master of engineering (MEng) without thesis.
Master of engineering (engineering management) (MEng)
Master of applied science (MASc) with thesis.
Doctor of philosophy (PhD)

Health sciences
Bachelor of physical education (BPE) 4-year program.
Bachelor of science in kinanthropology [BSc(Kin)]
Bachelor of science in nursing (BScN) 4-year program. Three years for registered nurses.
Bachelor of science in occupational therapy (BSc) 4-year program.
Bachelor of science in physiotherapy (BSc) 4-year program.
Master of physical education [MPE(Admin)]
Master of science in kinanthropology [MSc(Kin)]

International development and co-operation
Diploma in international development and co-operation. Program requires at least 1 year of full-time study. Also offered on a part-time basis.

Law
Bachelor of laws (LLB) 3 years from approved degree or from 2 years of university studies.
Licence en droit/Bachelor of laws (LLL/LLB) Special program. Normally 36 credits after LLL graduation with excellent results. Limited enrolment. Direct inquiries to office of the registrar, admissions section.
Bachelor of laws/Master of business administration. See Administration.
Diploma in legislative drafting. One year after LLB.
Diploma of specialized legal studies (DiplSLS) 1 year after LLB (24 credits).
Master of laws (LLM). Thesis.
Doctor of laws (LLD) At least 4 sessions in full-time, or the equivalent in part-time, residence.

Medicine
Bachelor of medical science (BMedSc) For undergraduate medical students. Two summers.
Doctor of medicine (MD) 4-year program after BSc or equivalent. See university calendar for details.
Diploma in postgraduate training in psychiatry. Two years after MD.
Master of science (MSc)
Doctor of philosophy (PhD) 2 or 3 years from MSc, 3 or 4 years from honors BSc or MD.

Mission studies
Courses are offered at Saint Paul University. See separate entry.

Pastoral studies
Courses are offered at Saint Paul. See separate entry.

Science
Bachelor of science (BSc) general, concentration, honors.
Master of science (MSc)
Master of computer science (MCS)
Doctor of philosophy (PhD)

Social sciences
Certificate in criminology (33 credits)
Certificate in community recreation (33 credits)
Certificate in recreation resource management (33 credits)
Bachelor of arts (BA) in psychology. Concentration, honors.
Bachelor of social sciences (BSocSc) concentration, honors.
Master of arts (MA)
Master of criminology (applied) (MCA)
Doctor of philosophy (PhD) in psychology. Four years from honors bachelor degree in psychology or equivalent.
Doctor of philosophy (PhD) in economics.

Theology
Courses are offered at Saint Paul University. See separate entry.

Continuing education

Evening and summer courses at the undergraduate level are offered on campus and at the off-campus centres in Cornwall, Hawkesbury and Pembroke. Address inquiries to the office of the registrar (564-3923). At the graduate level, address inquiries to the school of graduate studies and research (564-2960). For courses by means of teleconference, correspondence and television, address inquiries to the service for continuing education (564-4263).

Special programs

Co-operative education programs in administration, computer science, engineering, mathematics, geography, history, translation and leisure studies. Undergraduate interdisciplinary programs in Canadian studies, medieval studies, women's studies, management, public policy and public management.

Joint programs

University of Ottawa and Carleton University have developed joint master's and doctoral programs in economics, biology, chemistry, computer science, geology, mathematics and statistics, physics, civil engineering, electrical engineering and mechanical & aeronautical engineering. A joint specialization in neuroscience also is offered. The research institutes formed as a result of this initiative are listed at the end of the chapter.

For professional certification

Courses leading to certification (C.G., C.G.A., R.I.A.) by other professional business associations. Address inquiries to the faculty of administration (564-4906).

Admission Requirements

The admission requirements published hereafter are the general requirements of the university. To be admitted to a particular program, applicants must also meet the particular additional requirements of the faculty or school that offers the program. The calendar of the faculty concerned and the annual Admissions Requirements publications should be consulted for this purpose. Whenever applications for admission exceed the number of places in a given program, the university may be forced to restrict offers of admission to only the best qualified applicants.

Pre-science year leading to engineering and science programs

Applicants from Ontario high schools who have completed at least 24 secondary school credits with an overall average of 65% and an average of 65% in required subjects may apply for admission to a pre-science year leading to all engineering and science programs. Required credits are: Chemistry (SCH 4A), English (ENG 4A) or français (FRA 4A), mathematics (MAT 4A), and physics (SPH 4A).

Undergraduate

Admission to first year (excluding medicine, law and education)

Ontario general requirements: Ontario secondary school students seeking admission to University of Ottawa must present the Ontario secondary school diploma (OSSD) including a minimum of 6 Ontario academic courses (OACs). Students currently completing Grade 13 courses also will be considered for admission upon completion of the OSSD or the Ontario secondary school honor graduation diploma (OSSHGD). An average of at least 65% calculated on the best 6 Grade 13 or Ontario academic course (OAC) credits including the specific prerequisite courses is required for admission to the faculty concerned. Meeting the minimum requirements does not guarantee admission. Admission to a limited enrolment program normally requires a higher overall average. Applications for admission may exceed the number of places available in certain programs. In such cases, the university may be obliged to limit the number of offers of admission on the basis of special criteria. The length of time taken by an applicant to complete the OSSD will not of itself be a determining factor in the admission decision. Students planning to attend university are encouraged to achieve as much breadth of preparation as possible in the courses of their secondary school studies leading to the OSSD while also meeting the specific admission requirements for the program to which they intend to apply. For specific information on prerequisite courses or cut-off averages, consult the Ontario admission requirements publication which is available from the university's admissions office.

Quebec: Applicants from CEGEP must have completed 12 academic courses (CEGEP I) of a general program or the equivalent in a professional CEGEP program) with a minimum overall average of 65%. Applicants who have completed more than 12 CEGEP academic courses may receive up to 30 credits (1 year of study) in advanced standing subject to certain conditions as set forth in the annual publication, Quebec admission requirements. The university accepts a limited number of applicants (25) who have completed secondary V with a high average (at least 85%) based on final marks. These applicants may apply for admission to first year in the faculties of administration, arts and social sciences. The general requirement for admission to first year is completion of a minimum of 5 academic courses at the secondary V level. Specific course prerequisites apply. Applicants to the pre-science year (for programs in engineering and in science) require an overall average of 65% and an average of 65% in science-mathematics courses. They must have completed chemistry, mathematics and physics at the secondary V level.

Other provinces: Applicants must have completed a course of studies considered equivalent to the Ontario secondary school diploma (OSSD) including 6 Ontario academic courses (OAC)/Grade 13 courses. The following levels of academic achievement are so considered: Alberta, Manitoba, New Brunswick, Newfoundland, Nova Scotia, Prince Edward Island and Saskatchewan: Grade 12; British Columbia: Grade 12 (C average); 12 courses of Grades 11 and 12 with 4 courses numbered 12.

International Baccalaureate: Holders of an International Baccalaureate may apply for admission to first year provided they have passed in at least 6 subjects of which at least 3 are at the higher level and provided their grade total is equal to or higher than 24. Advanced standing may be granted only for higher level subjects to applicants whose grade total is equal to or higher than 30. Subject matter distribution must meet faculty requirements as indicated for Ontario applicants.

Transfer students

Students from other universities are admissible if they meet the admission and promotion requirements of the university and if they submit evidence that they are eligible for readmission without condition at the university they were attending. The appropriate admissions committee determines the advanced standing to be granted, where applicable, subject to the regulations on advanced standing.

Candidates from colleges of applied arts and technology

Applicants who have completed 2 years of a program are eligible to be considered for admission to the first year of a degree program. Those having completed a 3-year program are eligible to be considered for admission with advanced standing for as much as 1 year of a degree program. Advanced standing will depend upon the courses completed, the grades earned and the program to which the applicant is admitted in the University. Candidates must satisfy admission requirements of the faculty to which they are applying.

Mature students

Applicants whose academic records do not meet published requirements may be admitted as regular students provided that they a) are Canadian citizens or permanent residents; b) have not been engaged in full-time studies during past 2 years; c) are considered by appropriate committee on admissions to hold promise of academic success; d) meet the particular requirements of the faculty to which they apply. Mature applicants must submit academic transcript (where applicable), 2 letters of recommendation and other documents and/or test scores as may be required by the committee on admissions.

Senior citizens

Senior citizens, 60 years and over, are not required to pay tuition fees and may apply either as regular or mature students.

Graduate

Applicant to a master's degree program must hold an honors bachelor's degree in their specialization with at least second class standing (B) or its equivalent. Applicants holding a general (pass) bachelor's degree with at least second class standing may be admitted to a qualifying program. Applicants to doctoral programs must present an academic record indicating at least high second class standing (B+) or the equivalent.

International students

Applicants for admission to an undergraduate program must hold standing equivalent to that which Ontario students must meet. In addition to the general admission requirements, each faculty sets particular requirements in function of the program to which a candidate seeks admission. As well, each candidate must demonstrate proficiency in either English or French. Applicants whose first language or language of instruction is neither English nor French must submit results showing success in one of the following language tests: English, The University of Michigan English Proficiency Test, (minimum score: Science and engineering 85; other programs 90); the Test of English as a Foreign Language (TOEFL),(minimum score: Science and engineering 550; other programs 580 to 600); French, the test of French as a Second Language is offered through University of Ottawa (candidates are assessed individually). For information on admission requirements by country of origin and by program as well as on language requirements, consult booklet Foreign Candidates, published by the university.

Applicants for admission to a graduate program must meet the general requirements outlined above and the particular requirements of individual disciplines. Students whose mother tongue is neither French nor English will be required to demonstrate proficiency in the language of instruction. For detailed information, consult the graduate studies calendar.

The university strongly recommends that candidates from outside Canada begin the process of applying for their student authorization at the same time they apply to the university. Authorization applications are made through the nearest Canadian High Commission, embassy, consulate or consular agent.

Application Deadlines

Closing dates for receipt of applications for admission depend on discipline concerned. Consult the calendar of the faculty concerned or the annual publication, Admission Requirements. Deadline for receipt of applications from outside Canada and the United States: February 1st. Graduate studies: The application and all supporting documents should be submitted at least 1 month before the beginning of the session (6 months in the case of applicants from foreign countries). It should be noted that some departments require earlier submission of applications.

Academic Year

Undergraduate: Regular session, mid-September to end of April; summer evening session beginning of May to end of June and end of June to mid-August; summer day session beginning of July to mid-August. Graduate: 3 sessions, fall (September to December); winter (January to April); spring (May to August). A few graduate courses also are offered during a 6-week summer session (July-August).

Grading System

At the undergraduate level: A+, 10 (90-100%); A, 9 (85-89%); A-, 8 (80-84%); B+, 7 (75-79%); B, 6 (70-74%); C+, 5 (66-69%);

C, 4 (60-65%); D+, 3 (55-59%); D, 2 (50-54%); E, 1 (40-49%), failure with supplemental privileges; F, 0 (0-39%), failure without supplemental privileges. At the graduate level: A+, 10 (90-100%); A, 9 (85-89%); A-, 8 (80-84%); B+, 7 (75-79%); B, 6 (70-74%); C+, 5 (66-69%); C (60-65%); D+ (55-59%); D (50-54%); E (40-49%); F (0-39%). All grades below C+ are failing grades at the graduate level.

Student Life and Services

The students' federation of the University of Ottawa (SFUO), the origins of which date back to the 19th century, is a member of the Ontario Federation of Students and of the Canadian Federation of Students. It represents all full-time and part-time undergraduate students, who become members upon paying their academic fees. The central legislative body is the student assembly, which comprises representatives of the various student faculty associations. An executive composed of a president and 4 vice-presidents (social activities, finance, academic affairs and external affairs), elected by the student body also are members of the student assembly. They work together in co-ordinating political representation of students on various committees, the board of governors and the senate, as well as in providing student services. The students' federation organizes activities, notably welcome week, and operates the Equinox (student pub), the Presto (take-out snack bar), the Pivik (grocery store), the Zipper (clothing store), the Guichet (drycleaning and ticket office), Grafed (graphic arts and advertising studio) and Ciné-Fédé. SFUO also offers a bus shuttle service to Toronto and Montreal at holidays, a tutoring service and a used book service.

There is a very wide range of extra-curricular activities available to students other than participation in student government, including clubs for students with political or religious interests, a debating society, a choral society, a community radio (CFUO) and 2 student-run newspapers (The Fulcrum and La Rotonde). Cultural life on campus is enhanced by the regular offerings in live theatre and music of the departments of theatre and music.

Student services, grouped under the director-general of student services, are operated with the participation of students, professional associations on campus, university faculties, school, and administrative services. There are 9 such services: Bookstore, campus ministry; counselling; financial aid; awards and international students; health; housing; placement; sports and the university centre.

Accommodation is limited to full-time students only. Leblanc residence accommodates 109 students; Marchand residence, 343; Stanton residence, 357; and Thompson residence, 459 students. The 202-apartment Brooks residential complex provides accommodation for 708 students, some of which is reserved for couples, small families and disabled persons. The off-campus housing office maintains a register of lodgings ranging from rooming houses with or without board to furnished or unfurnished apartments.

The university centre is at the heart of campus community life offering many cultural and social activities including a 300-seat theatre, a cafeteria, a dining room, 2 bars, a typing room, a games room, TV and music rooms. As well the centre houses the university bookstore, a post office, retail stores, the offices of the students' federation and of most of the student services and Info-Campus.

Sports services offer students various programs: Instructional, intercollegiate, intramural, physical recreation, sports clubs. The sports facilities include a swimming pool, 3 gymnasia, special quarters for weight training, squash and racquetball courts.

Health services offer health care by a team of general practitioners, family physicians and registered nurses. University regulations require that all students have health insurance coverage for both medical and hospital expenses.

The international students adviser within the financial aid service works at the smooth integration of international students into their new surroundings by welcoming them, giving advice as well as a helping hand in their personal difficulties and in dealing with the numerous university and government requirements. Telephone: 564-5057.

Services for the handicapped are co-ordinated by the assistant to the director general of student services. Students' needs are assessed so that technical support services are provided based on the nature of their physical handicap or learning disability. Class venues are changed if inaccessible to wheelchairs. Rooms and specialized equipment are also available. Telephone: 564-5054.

The university counselling service provides a range of individual and group programs in the areas of study skills, educational and career planning, personal counselling, relaxation and assertiveness training. The computerized career software CHOICES is available. The service's Career Information Centre has information on postsecondary educational programs, on occupations and on employers.

The counselling service also is responsible for the placement service, an on-campus Canada Employment Centre, that provides students with employment counselling and opportunities for full-time, part-time or summer employment, which may or may not be career-oriented.

The Bernadette child care centre provides a quality bilingual preschool program for the children of the university students and staff. The centre, which is licensed by the Ministry of Community and Social Services, has spaces for 49 children (10 infants, 15 toddlers, 24 preschoolers). Fees per day are $39.50 (infants).$29.20 (toddlers), $24.80 (preschoolers). Subsidies for 22 spaces are available to qualified parents.

Research Institutes and Centres

Biotechnology Research Institute. Director: C.Y. Kang, BSA, PhD

Brian Assaly Neuromuscular Research Institute

Canadian Centre for Trade Policy and Law (joint with Carleton University). Director: M. Hart

Centre for Automated Manufacturing of Composite Materials

Centre for Research on French-Canadian Culture. Director: Y. Grisé, BA, BPéd, LèsL, MLett, PhD

Electrochemical Science and Technology Centre. Director: W.A. Adams, BSc, PhD

Eye Institute. Director: A.G. Watson, MB, FRCSCan

Human Rights Research and Education Centre. Director: W.W. Black, AB, JD

Industrial Membrane Research Institute. Director: S. Sourirajan, PhD, DEng, FCIC

Institute for International Development and Co-operation. Director: G. Hénault, MBA, DScEcon, DrdEtat

Institute for Research in Environment and Economy. Director: P.A. Keddy, BSc, PhD

International Water Engineering Centre. Director (Acting): R.L. Droste, BS, MASc, PhD

Medical Communications Research Centre. Director: M. Goldberg, BSc, PhD

Telecommunications Research Institute of Ontario (an Ontario Centre for Excellence also involving McMaster, Carleton and Queen's universities). Director: P. Leach

University of Ottawa Heart Institute at the Ottawa Civic Hospital. Director General: W.J. Keon, OC, BSc, MD, MSc, FRCSCan

The following centres, institutes were established by University of Ottawa and Carleton University to provide joint graduate studies in certain disciplines. Directors are from University of Ottawa unless otherwise specified.

Ottawa-Carleton Bridge Engineering Institute. Director: J.L. Humar, BSc, MTech, PhD (Carleton)

Ottawa-Carleton Centre for Communications Research. Director: D.D. Falconer, BASc, PhD (Carleton)

Ottawa-Carleton Chemistry Institute. Director: J.S. Wright, BS, PhD(Carleton)

Ottawa-Carleton Geoscience Centre. Director: K. Bell, BSc, DPhil(Carleton)

Ottawa-Carleton Institute for Civil Engineering. Director: N.J. Gardner, BSc, PhD

Ottawa-Carleton Institute for Computer Science. Director: J.R. Sack(Carleton)

Ottawa-Carleton Institute for Electrical Engineering. Director: B.A. Syrett, PhD, MEng(Carleton)

Ottawa-Carleton Insitute of Mathematics and Statistics. Director: M.J. Moore, MSc, PhD(Carleton)

Ottawa-Carleton Institute for Mechanical and Aeronautical Engineering. Director: J.Y. Wong, BSc, PhD(Carleton)

Ottawa-Carleton Institute for Physics. Director: B. Hird, BA, MA, Dphil

Ottawa-Carleton Institute of Biology. Director: J.T. Arnason, BSc, PhD

Ottawa-Carleton Graduate Specialization in Neuroscience. Ottawa Co-ordinator: T.R. Pivik, BA, MA, PhD

Ottawa-Carleton PhD Program in Economics. Director: J.S. Ferris, BCom, MA, PhD(Carleton)

Research Chairs

Alcan-NSERC Industrial Research Chair in Basic and Applied Electrochemistry. Brian E. Conway, BSc, PhD, DSc, DIC, FRSChem, FCIC, FRSCan

BNR-NSERC Industrial Research Chair in Signal Transmission Technology. William F. McGee, BASc, MA, PhD

Chair in Celtic Studies. Gordon Maclennan, MA, PhD

Chair in Slovak History and Culture

Human Rights Chair

Hyman Soloway Chair in Business and Trade Law

Industrial Research Chair in Multimedia Databases

Jason A. Hannah Chair in the History of Medical and Related Sciences. Toby Gelfand, BA, PhD

Joint Ottawa Carleton Chair in Women's Studies. Hon. Monique Bégin, PC, BA, MA, HonPhD, HonLLD

Federated University

Saint Paul University, Ottawa, Ontario. See separate entry.

École Polytechnique de Montréal*

Renseignements généraux

Adresse : C.P. 6079, Succursale "A", Montréal (Québec) H3C 3A7
Téléphone : (514) 340-4942
NetNorth : POLY@POLYTECA
Télécopieur : (514) 340-4333

Directeur : André Bazergui, ing, PhD

Demandes de renseignements : Prière d'adresser la correspondance d'ordre général à l'adjoint au directeur de l'école, André Maheux

Agent de liaison, enseignement collégial : Claude Brissette

Professeurs à temps plein (1989-1990) : 209

Historique et statuts

Les débuts de l'École Polytechnique remontent à 1873 alors que fut fondée, à Montréal, l'École des Sciences Appliquées aux Arts et à l'Industrie. Cette école fut reconnue officiellement par le gouvernement provincial 3 ans plus tard et reçut le nom d'École Polytechnique. Elle fut annexée à la faculté des arts de l'Université Laval en 1887. La première corporation fut constituée en 1895.

C'est en 1920 que l'École Polytechnique s'est affiliée à l'Université de Montréal, affiliation qui subsiste depuis cette date. L'École Polytechnique fut dotée d'une nouvelle charte en 1955, cette dernière remplaçant celle de 1895 plusieurs fois modifiée. Finalement, le 14 décembre 1987, l'Assemblée nationale du Québec adoptait la charte qui est présentement en vigueur.

Ainsi, l'École Polytechnique est une institution publique régie par un conseil d'administration de 11 membres et d'un conseil académique de 17 membres.

En vertu du contrat d'affiliation, c'est l'Université de Montréal qui confère les grades.

Mandat international

Le directeur de la coopération internationale assure la planification, l'organisation et la co-ordination de toutes les activités de coopération internationale de l'école, applique les accords et contrats signés par l'école, et maintient la liaison externe. L'École Polytechnique a signé des ententes de coopération avec une trentaine d'établissements de par le monde, notamment 6 en Afrique et 1 en Chine, qui comprennent une large gamme de programmes dans divers secteurs. Elle offre, au besoin, des cours spéciaux et des stages de pédagogie aux étudiants et stagiaires étrangers. S'adresser à : Rémi Tougas, directeur, coopération internationale. Téléphone : (514) 340-4977.

Terrains et bâtiments

L'école occupe l'édifice actuel, sis sur le campus de l'Université de Montréal, depuis 1958. D'une superficie de 42 750 m2 au début, l'édifice fut agrandi une première fois en 1976. L'ajout de 2 étages, dont la construction a été terminée en 1989, a porté la superficie totale de l'édifice à 60 400 m2.

L'école est facilement accessible par tous les moyens de transport, incluant une station du métro de Montréal sur le campus de l'Université de Montréal.

En 1983, l'école s'est dotée d'une politique pour permettre l'accessibilité de ces lieux aux personnes handicapées. Ces dernières disposent de rampes d'accès, de portes motorisées, de services sanitaires aménagés. Des appareils spéciaux sont mis à la disposition des personnes atteintes de surdité.

Bibliothèque et centre de calcul

La bibliothèque loge une importante collection de documents scientifiques et techniques, dont 1 800 abonnements à des périodiques et environ 100 000 monographies, des publications officielles, des catalogues industriels et des normes techniques (ANSI, CEI, ACNOR). Le catalogue est informatisé. La bibliothèque a également accès aux banques de données spécialisées des grands serveurs nationaux et internationaux tels que DIALOG, ORBIT, QUESTEL, CAN/OLE et STN.

L'école est dotée d'un puissant centre de calcul qui exploite un ordinateur IBM 3090 avec une unité de traitement vectoriel et un ordinateur GEAC 8000 pour la gestion de la bibliothèque. Le centre de calcul met à la disposition des usagers 64 mégaoctets de mémoire auxiliaire ainsi que de nombreux périphériques de toute nature. Les compilateurs de la plupart des langages sont disponibles de même que de nombreuses librairies mathématiques et graphiques ainsi que plusieurs logiciels d'application.

Programmes et grades

L'École Polytechnique est dédiée à la formation d'ingénieurs professionnels et de chercheurs.

Le programme de 1er cycle compte 120 crédits et conduit au diplôme de bachelier en ingénierie. Les titulaires de ce diplôme, s'ils satisfont aux prescriptions de l'Ordre des ingénieurs du Québec, obtiennent le permis d'exercice de la profession d'ingénieur. Les études de 2^{e} cycle (45 crédits) conduisent au grade de maître en ingénierie, de maître en sciences appliquées, ou au diplôme d'études spécialisées (30 crédits). Les études de 3^{e} cycle confèrent le diplôme de PhD (90 crédits). Il est à noter que tous les programmes de 1er cycle ont reçu l'accréditation du Bureau canadien des ingénieurs.

A moins d'indication contraire, l'obtention du baccalauréat requiert 4 années d'études après le DEC, la maîtrise en ingénierie et en sciences appliquées exige au moins 3 trimestres d'études après le baccalauréat. Le diplôme d'études spécialisées s'obtient généralement 1 année d'études après le baccalauréat. Le diplôme de 3^{e}

* Membre ordinaire de l'AUCC. Affiliée avec l'Université de Montréal.

cycle est obtenu après au moins 6 trimestres d'études après le diplôme de maîtrise.

Le service de l'éducation permanente a mis sur pied divers programmes de certificats de 30 crédits chacun. Le cumul de 3 certificats donne droit au titre de bachelier ès arts ou ès sciences.

Le crédit représente les 45 heures (3 heures par semaine pendant un trimestre) consacrées par l'étudiant à une activité de cours ou de travaux pratiques, ou de séminaires, ou de stages, ou de recherche incluant dans chaque cas, s'il y a lieu, le nombre d'heures de travail personnel nécessaire, selon l'estimation de l'école.

On trouvera des détails sur les programmes au chapitre **Programmes préparant à un grade, un diplôme ou un certificat**.

Génie biomédical
Diplôme d'études spécialisées
Maîtrise en sciences appliquées
Maîtrise en ingénierie
PhD

Génie chimique
Baccalauréat en ingénierie
Diplôme d'études spécialisées
Maîtrise en sciences appliquées
Maîtrise en ingénierie
PhD

Génie civil
Baccalauréat en ingénierie
Diplôme d'études spécialisées
Maîtrise en sciences appliquées
Maîtrise en ingénierie
PhD

Génie électrique et informatique
Baccalauréat en ingénierie, génie électrique
Baccalauréat en ingénierie , génie informatique
Diplôme d'études spécialisées
Maîtrise en sciences appliquées
Maîtrise en ingénierie
PhD

Génie énergétique
Maîtrise en ingénierie

Génie industriel
Baccalauréat en ingénierie
Diplôme d'études spécialisées
Maîtrise en sciences appliquées
Maîtrise en ingénierie

Génie mécanique
Baccalauréat en ingénierie
Diplôme d'études spécialisées
Maîtrise en sciences appliquées
Maîtrise en ingénierie
PhD

Génie métallurgique
Baccalauréat en ingénierie, génie des matériaux
Diplôme d'études spécialisées
Maîtrise en sciences appliquées
Maîtrise en ingénierie
PhD

Génie minéral
Baccalauréat en ingénierie, génie des mines (coopératif)
Baccalauréat en ingénierie, génie géologique (coopératif)
Diplôme d'études spécialisées
Maîtrise en sciences appliquées
Maîtrise en ingénierie
PhD

Génie nucléaire
Diplôme d'études spécialisées
Maîtrise en sciences appliquées
PhD

Génie physique
Baccalauréat en ingénierie
Diplôme d'études spécialisées
Maîtrise en sciences appliquées
Maîtrise en ingénierie
PhD

Mathématiques appliquées
Maîtrise en sciences appliquées
PhD

Programmes spéciaux
Diplôme d'études spécialisées: programme d'ergonomie; programme de gestion de projets d'ingénierie et d'aménagement.
Maîtrise en ingénierie aéronautique

Certificats
Technologie de la prévention des accidents et des maladies du travail, design et frabrication; électricité du bâtiment; technologie de la prévention d'incendies; la géomatique; électronique industrielle et mécanique du bâtiment.

Conditions d'admission

1er cycle
Les candidats doivent avoir obtenu un diplôme d'études collégiales (DEC) dans un collège de la province de Québec, justifiant les cours exigés de la structure d'accueil en sciences pures et appliquées. Les candidats qui, de l'avis de l'école, possèdent une préparation équivalente peuvent aussi être admis.

2e et 3e cycles
Les détenteurs d'un baccalauréat en ingénierie de l'École Polytechnique, ou de son équivalent selon le jugement de l'école, sont admissibles au programme de maîtrise en ingénierie et de maîtrise en sciences appliquées. Peuvent aussi être admis au programme de maîtrise en sciences appliquées seulement, les détenteurs d'un diplôme de 1er cycle de nature scientifique ou qui peuvent attester d'une formation jugée équivalente. Une note minimale de 2,75 (système de 4 points) est généralement requise, sauf pour les étudiants du DES où la note requise est de 2,5.

L'admission aux études de doctorat est autorisée pour les détenteurs du diplôme de maîtrise de l'école ou qui peuvent attester d'une formation équivalente, sur présentation d'un dossier de très bonne qualité et avec l'obtention de l'appui d'un professeur pour diriger leurs travaux.

Les cours de l'éducation permanente s'adressent à des techniciens et à des personnes qui sont déjà engagés sur le marché du travail, titulaires du diplôme d'études collégiales ou qui ont acquis une expérience pertinente et qui ont atteint 21 ans.

Étudiants étrangers

L'École Polytechnique admet des candidats étrangers en autant qu'ils aient une préparation équivalente aux diplômes requis selon les cycles d'études. La préférence est accordée aux boursiers d'organismes québécois, canadiens ou internationaux pour une même qualité de dossiers. Le nombre d'étudiants étrangers est d'environ 10 % des étudiants inscrits.

Demandes et délais

Les demandes d'admission doivent parvenir au bureau du registraire pour le 1er mars pour le trimestre d'automne pour les programmes de 1er cycle et le 1er avril pour les études supérieures; le 1er octobre pour le trimestre d'hiver pour les études supérieures et le 1er novembre pour le trimestre d'hiver pour le 1er cycle. Un avis d'admission n'est pas une inscription. L'étudiant doit s'inscrire, par la suite, selon les modalités prescrites pour chaque cycle.

Frais (1990-1991)

Frais de scolarité : 1er cycle : temps plein 391 $/trimestre ; temps partiel et éducation permanente : 32,66 $/crédit ; étudiants étrangers : 2 900 $/trimestre, 195 $/crédit ; 2e et 3e cycles : temps plein 375 $/trimestre (durant la scolarité minimale), 93,75 $/trimestre (après la scolarité); temps partiel 32,66 $/crédit ; étudiants étrangers 2 900 $/trimestre (durant la scolarité minimale), 175 $/trimestre (après la scolarité); 195 $/crédit.

Autres frais : services aux étudiants 51,50 $/trimestre ; association étudiante 16 $ (1er cycle), 11 $ (2e et 3e cycles).

Année universitaire

L'année universitaire au 1er cycle s'étend sur 2 trimestres de 15 semaines chacun, soit de septembre à décembre pour le trimestre d'automne et de janvier à avril pour le trimestre d'hiver. Les travaux de recherche se poursuivent durant toute l'année. Un 3e trimestre d'été s'étendant de mai à août, est en vigueur aux 2e et 3e cycle. Néanmoins quelques cours du 1er cycle sont accessibles durant les mois de mai et juin.

Système de notation

L'école utilise un système de cote et de note pour l'évaluation des étudiants. La cote est le résultat numérique obtenu lors d'un examen ou d'un contrôle (généralement établi par un nombre compris entre 0 et 20). La note est l'appréciation globale des résultats d'un étudiant donnée par le professeur à la fin de son cours et prend la forme d'une lettre. La moyenne cumulative est la moyenne pondérée suivant la valeur de chaque crédit. Pour obtenir son diplôme, l'étudiant doit en plus d'avoir obtenu 120 crédits et satisfait aux autres règlements pédagogiques, avoir obtenu une moyenne cumulative supérieure ou égale à 1,75 au baccalauréat; de 2,75 pour le DES et 3,00 pour les diplômes de 2e cycle et pour le doctorat.

Vie étudiante et services aux étudiants

L'association des étudiants de l'École Polytechnique regroupe tous les étudiants inscrits aux cours réguliers du baccalauréat en ingénierie. Elle a pour but d'assurer le bien-être physique, intellectuel, social et économique de ses membres. L'association des étudiants aux grades supérieurs de l'École Polytechnique fut fondée en 1970 et regroupe tous les étudiants des 2e et 3e cycles.

Les étudiants sont représentés par des membres, nommés par leur association respective, ou conjointement selon le cas, au conseil d'administration de l'école, au conseil académique, au conseil des études de 1er cycle et au conseil des études supérieures et de la recherche. Ils sont très souvent invités à participer à des comités mis sur pied par l'école. Il existe à l'école plusieurs comités étudiants des associations techniques nationales et internationales telles l'IEEE, ASME, SGI et SCGI, AIAA.

Les étudiants disposent également d'un service aux étudiants grâce auquel ils peuvent bénéficier d'un service d'aide financière, d'un service d'accueil et d'hébergement, d'information sur les spécialités, d'un service de placement et de plusieurs autres. Un comité formé du directeur du service et de 4 étudiants a pour mandat d'élaborer les politiques, d'adopter le budget, de ratifier les états financiers et d'étudier les projets et les activités qui seront subventionnés par le service.

Les étudiants de l'école ont accès au centre sportif de l'Université de Montréal. L'association des étudiants du 1er cycle organise de nombreuses activités à caractère sportif, culturel ou social. Elle a instauré plusieurs comités à ces fins.

Instituts de recherche

Centre canadien d'automatisation et de robotique minières. Responsable : M.L. Bélanger

Centre de caractérisation microscopique des matériaux. Responsable : Gilles l'Espérance

Centre "Groupe d'études et de recherche en analyse des décisions". Responsable : R. Loulou (McGill)

Centre de recherche appliquée sur les polymères. Responsable : Pierre Carreau et Raymond Gauvin

Centre de recherche en calcul thermochimique. Directeur : Arthur Pelton, PhD

Centre de recherche sur les transports. Responsable : G. Laporte (H.E.C.)

Groupe de recherche en biomécanique et biomatériaux. Responsable : Gilbert Drouin, ing. PhD

Groupe de recherche en math. de l'ingénierie assistée par ordinateur. Responsable : Ricardo Camarero, ing. PhD

Groupe de recherche en microélectrique. Responsable : Bernard Lanctôt, ing.

Groupe de recherche en physique et technologie des couches minces. Directeur : Arthur Yelon, ing. PhD

Groupe de recherche en procédés biotechnologiques. Responsable : C. Chavarie

Groupe pour l'analyse des composantes mécaniques. Responsable : T. Bui-Quoc

Institut de recherche en exploration minérale. Directeur : John Ludden, PhD

Laboratoire CQIP/Plastiques et composites. Directeur : Raymond Gauvin, ing. PhD

Laboratoire d'applications industrielles des micro-ondes. Directeur : Marcel Giroux, ing. PhD

Laboratoire de caractérisation microscopique des matériaux. Directeur : Gilles L'Espérance, ing. PhD

Laboratoire polyfonctionnel SLOWPOKE. Directeur : Gregory Kennedy, PhD

Liens avec l'industrie

L'école possède un centre de développement technologique auquel elle a confié la responsabilité de présenter des propositions de services, de rédiger les ententes-cadres de collaboration, de signer des contrats et d'assurer l'administration des contrats en matière de recherche et de développement.

University of Prince Edward Island*

General Information

Address: Charlottetown, Prince Edward Island C1A 4P3
Telephone: (902) 566-0439
Fax: (902) 566-0420

President and Vice-chancellor: C.W.J. Eliot, BA, MA, PhD

Inquiries: Direct general correspondence to the registrar, Robert L. Campbell

Assistant registrar (admissions): Urbain Gaudin

Full-time faculty (1989-90): 190

History and Governance

The University of Prince Edward Island was established by an act of the legislature of the province of Prince Edward Island in April 1969. It is a merger of 2 institutions of higher learning, Prince of Wales College which was established in 1834 and St. Dunstan's University established in 1855. The new institution conferred its first degrees in 1970.

The University of Prince Edward Island is public, co-educational and non-denominational. It operates under the authority of a board of governors and a senate. The board of governors consists of 22 members and the senate consists of 36 members.

International Mandate

The international development committee considers the university's involvement in international education and reviews funding opportunities. The university has provided sponsorship and financing for 2 African students. Contact: Dr. David Morrison, department of religious studies. Telephone: (902) 566-0444.

Buildings and Grounds

The university campus is situated at the northern boundary of Charlottetown (population 22,000) on the Trans-Canada highway. The campus occupies 50 acres of land and has 8 teaching buildings, a library and 3 residences. The Atlantic Veterinary College opened in September, 1986. Sports facilities include a sports centre, a soccer field, a tennis court and an arena with an artificial ice plant.

The university is involved in an on-going project to improve access to buildings for disabled students. Efforts are made to schedule classes according to the needs of these students.

Library

The library holdings include approximately 400,000 volumes and 1,400 periodical subscriptions, and over 90,000 pieces of microform, films, sound cassettes and slides.

Programs and Degrees

Degrees require 4 years (40 credits) from Grade 12 unless otherwise specified.

Courses at the University of Prince Edward Island are usually assigned a credit value of 1 or 2. A 1-credit course normally requires 3 lecture hours per week for 1 semester. A 2-credit course would normally span 2 semesters. For detailed information on programs see **Degree, diploma and certificate programs** chapter.

Arts
Bachelor of arts (BA)

Business administration
Bachelor of business administration (BBA)

Education
Bachelor of education (BEd) 4 years from Grade 12 or 1 year from BA or BSc.

Engineering
Diploma in engineering. Three years from Grade 12. The diploma admits students to the fourth year of a 5-year course leading to the bachelor of engineering degree at another Canadian university.

Home economics
Bachelor of science (BSc)

Music
Bachelor of music (BMus)

Science
Bachelor of science (BSc)

Veterinary medicine
Doctor of veterinary medicine (DMV) 7 years from Grade 12.
Master of science (MSc) 2 years from bachelor's degree.

Special programs
The French immersion program is a credit program designed for any student serious about becoming bilingual. The student takes 15 semester hours of French in the first semester which runs from September to December and picks up the regular courses in the second semester beginning in January.

Continuing education
Evening and extension: Evening courses are offered at the university and by extension in several centres in the province mainly in arts, business administration and education. The university also offers a program of studies leading to a certificate or diploma in public administration; this program has been developed for working federal, provincial and municipal public servants who wish to prepare themselves for higher administrative and management positions.

* Ordinary member, AUCC

Summer session: Summer session courses are offered for undergraduates proceeding to a degree and for teachers who wish to improve their professional qualifications. Subjects offered are mainly in the arts and education but a limited number of science, business administration and home economics courses are also available.

Admission Requirements

Undergraduate

Canadian students: Completion of Grade 12 examinations (OACs in Ontario) in the university preparatory program with an overall average of at least 60% (70% for Quebec secondary V students) in the following subjects: Arts, business, education: English, mathematics and 3 acceptable academic electives; science: English, mathematics, 2 sciences and 1 acceptable academic elective; veterinary medicine: Two years of a degree program to include specific courses in biology, chemistry, physics, mathematics, English, other courses in humanities and social sciences, and electives. Veterinary-related experience is also required.

Mature students

A student of mature years may be permitted entrance to the university without fulfilling all the entrance requirements. Mature applicants should submit a school record for the last 2 years of attendance, at least 2 letters of reference from persons competent to assess the applicant's learning capabilities and a letter from the applicant explaining the reasons for requesting special consideration.

Senior citizens

Senior citizens, 60 years and over, are exempt from tuition fees. Seniors in pursuit of a degree or other academic qualification may be subject to admission requirements as per mature students.

International students

Certificates evaluated in terms of general requirements. GCE O-level with at least 5 credits including English and mathematics is required. Students whose first language is not English must submit satisfactory scores on the Test of English as a Foreign Language (TOEFL minimum score 550).

USA: Students should submit scholastic aptitude test (SAT) results with complete high school record and school recommendation. Average in the required subjects as outlined above should be at least as high as the college recommending mark of the school concerned.

Hong Kong: At least 5 credits including English and mathematics in 1 of the following: Hong Kong certificate of education (English) or GCE O-level certificate or University of Hong Kong matriculation certificate.

Other: Applicants submitting the International Baccalaureate will be considered for admission.

Application Deadlines

Applicants should submit all documents by August 15 if applying for the first semester or by November 30 if applying for the second. Students from abroad must submit all completed documentation by April 1.

For degree program in veterinary medicine, applications must be received by December 1 (Canadian students) or April 1 (international students).

Academic Year

Winter session: September to December and January to May. Summer session: Mid-May to the end of June and early July to mid-August. Atlantic Veterinary College: September to May.

Grading System

All grades are given on a credit basis and the passing mark in each subject is 50%. Successful results are classified as follows: First-class 80% and over; second-class 70-79%; pass 50-69%. Students above freshman level may take 4 courses on a pass-fail basis.

Student Life and Services

The University of Prince Edward Island student union is governed by the student union council consisting of 4 executive members, 3 representatives from the arts faculty, 3 from the science faculty, 3 from the school of business and 1 from education. The student union promotes student affairs and the welfare of the student body and represents student opinion in matters of university, community, provincial and international concern. It is the only student organization at the university and is the only official channel for negotiations and business between the student body and the university administration or any other organization.

The university has a drama club, music society, a campus radio station and campus newspaper. Included among departmental societies are the physics society, English society and history society. There are intramural and other sports activities on campus.

Two residences accommodate 78 men and 125 women. In addition, an apartment-style residence accommodates 232 students, with each apartment providing room for 4 students.

Students may contact the department of student services for assistance in finding off-campus housing accommodation.

Disabled students should contact student services for special assistance and information. The registrar's office also serves as initial contact for international students.

The 8-bed university and health centre is open to all students, faculty and staff. Appointments can be made with a campus physician and nursing care is provided free of charge by a registered nurse. A medical insurance plan offered by the student union is compulsory for all full-time students, unless they present proof of enrolment in an alternate plan.

The university student counselling services include psychological testing, an educational and vocational information library, study habit seminars, educational and vocational planning, and personal counselling.

Services of the Canada Employment and Immigration Commission are available through the university placement office.

Université du Québec*

Note du rédacteur : Des chapitres distincts dans le présent répertoire sont consacrés à l'Université du Québec et à ses 8 établissements qui sont affiliés à l'Association des Universités et Collèges du Canada à titre individuel. Les inscriptions paraissent dans l'ordre indiqué ci-après :

Université du Québec
Université du Québec en Abitibi-Témiscamingue
Université du Québec - École nationale d'administration publique
Université du Québec à Chicoutimi
Université du Québec à Hull
Université du Québec à Montréal*
Université du Québec à Rimouski
Université du Québec - École de technologie supérieure
Université du Québec à Trois-Rivières

Trois autres établissements, non affiliés à l'Association des Universités et Collèges du Canada à titre individuel, l'Institut Armand-Frappier, l'Institut national de la recherche scientifique et la Télé-université, apparaissent sous le présent chapitre consacré à l'Université du Québec.

* En vertu de la loi constitutive de l'Université du Québec, l'Université du Québec à Montréal, université constituante du réseau de l'Université du Québec, est une université associée de l'Université du Québec; conformément au règlement général de l'Université du Québec relatif à l'Université du Québec à Montréal, cette dernière participe de plein droit aux organismes de concertation interuniversitaire. Par conséquent, elle procède elle-même à la présentation des informations la concernant.

Renseignements généraux

Adresse : 2875, boulevard Laurier,
Sainte-Foy (Québec) G1V 2M3
Téléphone : (418) 657-3551, poste 2363
Câbles et télégrammes : Université du Québec,
Sainte-Foy (Québec)
Télex : 0513488
Télécopieur : (418) 657-2132

Président : Claude Hamel, BA, BScA, MScA

Demandes de renseignements : Prière d'adresser la correspondance d'ordre général au Service du dossier étudiant, Université du Québec, 2875, boulevard Laurier, Sainte-Foy (Québec) G1V 2M3

Professeurs à plein temps (1988-1989) :1 949

Historique et statuts

L'Université du Québec est une université publique dont la présence se manifeste dans l'ensemble du territoire québécois. Elle a été créée le 18 décembre 1968 par une loi votée par l'Assemblée nationale. L'Université du Québec est une institution d'enseignement publique, mixte et non confessionnelle.

L'Université du Québec compte en tout 11 établissements : 6 établissements à vocation générale à Montréal, à Trois-Rivières, à Chicoutimi, à Rimouski, à Hull et en Abitibi-Témiscamingue; 5 établissements à vocation spécialisée, l'École nationale d'administration publique, l'École de technologie supérieure, l'Institut national de la recherche scientifique, l'Institut Armand-Frappier et la Télé-université. Les axes de développement de chacun de ces établissements correspondent non seulement à des champs d'intervention fondés sur les besoins du Québec mais reflètent aussi les caractéristiques et les préoccupations de la zone d'influence de chaque établissement.

Mandat international

Le Bureau de la coopération et du développement international a comme mandat général la co-ordination interne et la gestion des activités de coopération et comme mandat particulier l'intensification des activités d'aide au développement. Il facilite et conseille les 11 établissements du réseau de l'Université du Québec dans le développement de leurs actions de coopération internationale. Il entretient des relations avec les divers organismes d'aide en matière de coopération et de développement international. S'adresser à : Fernand Caron, directeur, Bureau de la coopération et du développement international. Téléphone : (418) 657-3551 poste 2342.

Bibliothèques

Voir le chapitre correspondant à chaque établissement pour cette information.

Le siège social possède une bibliothèque renfermant plus de 6 000 monographies et environ 350 périodiques.

Outre de répondre aux besoins matériels de l'enseignement et de la recherche, les établissements de l'Université du Québec possèdent diverses facilités pour que les professeurs et étudiants puissent avoir accès, via un système informatisé de repérage, au catalogue renfermant les informations sur plus de 1,5 million de volumes et autant en revues, collections et divers documents dans toutes les bibliothèques des établissements du réseau. De plus, les services informatiques utilisent un CYBER 830 et deux IBM 4361-5 et 9375-60.

Programmes et grades

Au 1er cycle, on délivre des baccalauréats et des certificats; le baccalauréat comporte 90 crédits; toutefois, celui en génie renferme 105 crédits ou plus selon les programmes. Le programme de baccalauréat identifié à une discipline ou un champ d'études demande un minimum de 48 crédits requis par la discipline ou le champ d'études et un minimum de 9 crédits en cours libres. Par ailleurs, le programme de baccalauréat se

* Membre ordinaire de l'AUCC

rapportant à des disciplines ou à des champs d'études connexes comporte un minimum de 60 crédits requis par les disciplines ou champs d'études connexes et 9 crédits en cours libres. Quant aux certificats de 1er cycle, ils comportent de 24 à 36 crédits, mais normalement ils sont de 30 crédits.

Au 2e cycle, on distingue la maîtrise et le diplôme. Il y a 2 types de maîtrise, celle à caractère de recherche et celle plus professionnelle; la première exige au moins 21 crédits pour un mémoire (ou oeuvre) et des travaux de recherche, tandis que la seconde demande au moins 12 crédits pour des stages et des travaux dirigés. La maîtrise comporte soit 45 crédits ou 60 crédits, tandis que le diplôme de 2e cycle comprend 30 crédits.

Au 3e cycle, le doctorat de recherche de 90 crédits renferme au moins 60 crédits de recherche.

Signalons que le crédit est une unité qui permet d'attribuer une valeur numérique à la charge de travail requise d'un étudiant pour atteindre les objectifs particuliers des cours ou des activités pédagogiques; il correspond, selon l'estimation de l'université, à 45 heures de travail.

Le mode d'organisation des études repose sur le rattachement des étudiants à des programmes d'études; ils y sont admis et inscrits et leur encadrement est assuré par le responsable du programme.

Certains programmes comportent des stages crédités; le stage est une période de formation pratique effectuée normalement dans un milieu de travail. Il peut aussi être une période de prise de contact avec des milieux institutionnels et d'analyse comparée de ces milieux.

Voir le chapitre correspondant à chaque établissement pour la liste des programmes offerts.

Conditions d'admission

Condition générale

Le candidat doit posséder la connaissance du français parlé et écrit.

1er cycle

A ce niveau, l'Université du Québec peut accepter 2 types de candidatures : le titulaire d'un diplôme d'études collégiales (DEC) ou l'équivalent; le candidat âgé d'au moins 22 ans et possédant des connaissances appropriées et une expérience jugée pertinente.

Autres provinces : les dossiers des candidats des autres provinces seront évalués en comparaison avec les conditions d'admission exigées des étudiants du Québec. Ci-après sont décrites les conditions d'admission par province.

Alberta : 1 année d'études supérieures supplémentaire après le senior high school diploma (senior matriculation).

Colombie-Britannique : 1 année d'études supérieures supplémentaire après le senior high school diploma ou le senior secondary school statement.

Ile-du-Prince-Edouard : 1 année d'études supérieures supplémentaire après le Grade 12 graduation certificate.

Manitoba : 1 année d'études supérieures supplémentaire après le statement of standing Grade 12, le high school diploma, le senior matriculation ou le Grade 12 certificate.

Nouveau-Brunswick : 1 année d'études supérieures supplémentaire après le Grade 12 certificate ou le graduation certificate.

Nouvelle-Écosse : 1 année d'études supérieures supplémentaire après le high school certificate (senior matriculation).

Ontario : 1 année d'études supérieures supplémentaire après le secondary school graduation diploma ou le secondary school honour graduation diploma.

Saskatchewan : 1 année d'études supérieures supplémentaire après le statement of standing Grade 12 ou le successful completion of secondary school at the division IV level ou le senior matriculation.

Terre-Neuve : 2 années d'études supérieures supplémentaires après le matriculation diploma; ou 1 année d'études supérieures supplémentaire après la réussite du junior division de la Memorial University ou du Grade 12 du Labrador City Collegiate.

2e cycle

Le candidat doit être titulaire d'un grade de bachelier ou l'équivalent ou posséder les connaissances requises, une formation appropriée et une expérience jugée pertinente.

3e cycle

Le candidat doit être titulaire d'un grade de maître ou l'équivalent, ou être titulaire d'un grade de bachelier et posséder les connaissances requises et une formation appropriée.

Conditions particulières

Outre ces conditions générales d'admission, le candidat doit, pour certains programmes ou certaines activités, satisfaire à des conditions particulières.

Étudiants étrangers

Les dossiers de ces candidats seront évalués en comparaison avec les conditions d'admission exigées des étudiants du Québec.

Les candidats qui ont complété avec succès un baccalauréat international, obtenu sur réussite du programme d'un collège du Monde Uni, sont admissibles au 1er cycle à l'Université du Québec. Pour plus de détails concernant les exigences auxquelles doivent satisfaire les candidats étrangers, selon les programmes de formation qu'ils ont réussis, on peut consulter le "Guide pour étudiants non québécois", publié chaque année par l'Université du Québec.

Délais

Les demandes d'admission pour les études à temps plein doivent être reçues au plus tard le 1er mars pour la session d'automne et le 1er novembre pour la session d'hiver.

Année universitaire

L'enseignement à l'Université du Québec se donne sur une base de 3 sessions par année. Session d'automne : de septembre à décembre. Session d'hiver : de janvier à avril. Session d'été : de mai à août. L'année régulière comporte les sessions d'automne et d'hiver.

Système de notation

A, excellent; B, très bien; C, bien; D, passable; E, échec; S, exigence satisfaite; H, hors programme; I, incomplet; K, exemption; L, cours échoué, repris et réussi; N, non crédité; R, reporté; X, abandon autorisé. Pour fin de calcul de la moyenne cumulative, la valeur numérique accordée à chacune des lettres est la suivante: A, 4; B, 3; C, 2; D, 1; E, 0. Il n'y a pas de reprise d'examens.

Dates limites des inscriptions

Après son admission à l'université, l'étudiant sera convoqué à l'inscription (choix de cours). Les dates et modalités d'inscription apparaissent au calendrier universitaire, publié chaque année par chaque établissement du réseau.

Accueil et service de logement

Seulement 4 des établissements du réseau de l'Université du Québec disposent de résidences universitaires: il s'agit de l'Université du Québec à Trois-Rivières, à Rimouski et à Hull. Par ailleurs, il existe dans chacun des établissements un service de logement qui regroupe les différentes offres des propriétaires en fonction des besoins des étudiants selon le coût, le type d'appartement et la zone géographique. Chaque étudiant est guidé dans son choix en fonction de ses possibilités financières et de ses besoins spécifiques dès son arrivée à l'université, s'il le désire.

Vie étudiante et services aux étudiants

Les services aux étudiants de chaque établissement comportent les organismes suivants qui sont la responsabilité du directeur des services aux étudiants : service culturel, service de la pastorale, service de logement et d'accueil, activités sportives, service de placement. D'autres services sont aussi offerts aux étudiants et relèvent de leur directeur : service d'information, service de l'informatique, bibliothèque et centre audiovisuel.

Liaison entre les étudiants handicapés et les divers services universitaires

Les étudiants handicapés qui désirent obtenir de l'information quant aux services et matériels mis à leur disposition dans les établissements de l'Université du Québec peuvent s'adresser au directeur des services aux étudiants de leur établissement qui agit comme agent de liaison et qui peut les aider dans leurs démarches auprès des divers services et intervenants.

Participation étudiante

L'université prévoit la participation des étudiants à divers niveaux statutaires, non seulement au niveau des instances supérieures de l'Université du Québec (assemblée des gouverneurs, conseil des études) de chaque établissement (conseil d'administration, commission des études, commission de la recherche), mais aussi au niveau de chaque programme (conseil de module, comité de programme). Il y a aussi diverses associations étudiantes.

Établissements de l'Université du Québec

Université du Québec en Abitibi-Témiscamingue, Rouyn (Québec). Voir chapitre correspondant.

École nationale d'administration publique, Sainte-Foy (Québec). Voir chapitre correspondant.

Université du Québec à Chicoutimi, Chicoutimi (Québec). Voir chapitre correspondant.

Université du Québec à Hull, Hull (Québec). Voir chapitre correspondant.

Université du Québec à Montréal, Montréal (Québec). Voir chapitre correspondant.

Université du Québec à Rimouski, Rimouski (Québec). Voir chapitre correspondant.

École de technologie supérieure, Montréal (Québec). Voir chapitre correspondant.

Université du Québec à Trois-Rivières, Trois-Rivières (Québec). Voir chapitre correspondant.

Institut Armand-Frappier, Ville de Laval (Québec). Voir ci-dessous.

Institut national de la recherche scientifique, Sainte-Foy (Québec). Voir ci-dessous.

Télé-université, Québec (Québec). Voir ci-dessous.

Institut Armand-Frappier

Renseignements généraux

Adresse : 531, boulevard des Prairies, Ville de Laval (Québec) H7V 1B7
Téléphone : (514) 687-5010
Télécopieur : (514) 687-5010 poste 501

Directeur général : Andrée G. Roberge, BSc, PhD

Demandes de renseignements : Prière d'adresser la correspondance d'ordre général au registraire, Nicole Paquet, Certgestion

Professeurs à plein temps (1988-1989) : 40

Historique et statuts

La création de l'institut remonte à 1938.

Dès les débuts, cet établissement de recherche se caractérise par l'acquisition de connaissances nouvelles en matière de microbiologie et par la diffusion des connaissances acquises sous forme d'enseignement, de fabrication de produits biologiques et diagnostiques et de services spécialisés. L'objectif ultime de l'institut s'identifie à la mise en valeur des résultats des travaux de recherche au profit des communautés québécoises, canadiennes et internationales.

L'Institut Armand-Frappier est un établissement d'enseignement et de recherche public, mixte et non confessionnel.

Le développement de l'institut débute avec l'importante contribution dans le domaine de la tuberculose, la fabrication de sérum humain desséché, en temps de guerre, la fabrication de vaccins bactériens et par des travaux de pionniers sur les maladies virales.

Le deuxième souffle de développement est marqué par le rayonnement croissant de l'institut à l'étranger et surtout par l'intensification de la recherche, de la production et des services dans le domaine de la prévention des maladies virales.

La troisième étape de développement est marquée par le regroupement de ses forces actives dans Ville de Laval, par le développement accéléré du secteur de l'immunologie et la poussée nouvelle vers l'étude de pathologies telles que le cancer, la lèpre, la sclérose en plaques, la rougeole et la rubéole.

En 1972, l'Institut Armand-Frappier devient un établissement de l'Université du Québec. L'institut conserve sa vocation originelle et intensifie ses recherches en matière de médecine préventive avec le développement de l'épidémiologie orientée vers le milieu du travail. Cette quatrième étape est marquée par une accélération des programmes d'enseignement supérieur.

Une restructuration des activités de recherche et de production caractérise le dynamisme de l'Institut Armand-Frappier par l'intensification et la diversification des activités en matière de biotechnologie et de bio-industrie : développement de la microbiologie appliquée et industrielle orientée vers les produits biologiques, biochimiques et diagnostiques.

Bibliothèque

L'institut possède une bibliothèque renfermant plus de 9 000 monographies et 786 périodiques. Professeurs et étudiants ont accès, via un système informatisé de repérage, au catalogue renfermant les informations sur les volumes, revues et collections, dans toutes les bibliothèques du réseau et de l'Institut Armand-Frappier. En outre, les services informatiques sont équipés d'un HP 3000.

Programmes et grades

Vous trouverez des renseignements sur le temps et le nombre de crédits normalement requis pour terminer les programmes indiqués, au chapitre concernant l'Université du Québec, **à l'article traitant des programmes et des grades**.

Médecine

Maîtrise en virologie et immunologie (MSc)
Doctorat en virologie (PhD)

Sciences biologiques

Maîtrise en microbiologie appliquée (MSc)

Participation étudiante

La participation des étudiants est prévue à divers niveaux, non seulement à celui des instances supérieures de l'Université du Québec (assemblée des gouverneurs, conseil des études) et de l'Institut Armand-Frappier (conseil d'administration, commission de la recherche), mais aussi au niveau de chaque programme (comité de programme).

Recherche

Centre de recherche en microbiologie appliquée. Directeur par intérim : D. Kluepfel, PhD

Centre de recherche en sciences appliquées à l'alimentation. Directeur : M. Gagnon, PhD

Centre de recherche en épidémiologie et en médecine préventive.

Centre de recherche en immunologie. Directeur : E. Potworowski, PhD

Centre de recherche en médecine comparée. Directeur : R. Ruppanner, DrMédVét

Centre de recherche en virologie. Directeur par intérim : M. Trudel, PhD

Chaires de recherche

Chaire d'immunochimie médicinale.

Chaire d'immunologie médicinale. Bernard Belleau, PhD

Institut national de la recherche scientifique

Renseignements généraux

Adresse : 2635, boulevard Hochelaga, Suite 640, C.P. 7 500, Sainte-Foy (Québec) G1V 4C7
Téléphone : (418) 657-2518
Télécopieur : (418) 654-2615

Directeur : Jean-Pierre Villeneuve, PhD

Demandes de renseignements : Prière d'adresser la correspondance d'ordre général au registraire, Réal Pelland, MPA

Professeurs à plein temps (1988-1989) : 104

Historique et statuts

C'est dans le cadre de la loi de l'Université du Québec adoptée le 18 décembre 1968, que l'Institut national de la recherche scientifique a été créé le 9 décembre 1969.

L'Institut national de la recherche scientifique est un établissement d'enseignement public, mixte et non confessionnel et fait partie de l'Université du Québec.

L'Institut national de la recherche scientifique effectue un type de recherche universitaire orientée dans des centres interdisciplinaires ordonnés au développement économique du Québec. Il constitue ainsi un lien d'action pour la recherche orientée à partir de missions scientifiques axées sur des programmes de recherche bien définis.

Il compte actuellement 7 centres de recherche : l'INRS-Eau et l'INRS- Géoressources à Québec, l'INRS-Urbanisation, l'INRS-Santé et l'INRS-Télécommunications à Montréal, l'INRS-Energie à Varennes et l'INRS-Océanologie à Rimouski. Deux de ces centres ont été créés en collaboration avec des centres scientifiques déjà existants, de façon à permettre une participation accrue des compétences et des foyers d'excellence dont le milieu québécois dispose déjà hors des campus universitaires.

Mandat international

L'agent de liaison coordonne et évalue les activités de coopération, autant avec les pays industrialisés qu'avec ceux en voie de développement. Il assure la liaison avec les organismes pourvoyeurs et la cueillette des données pour le rapport annuel de la coopération internationale. Les activités de l'INRS dans ce cadre sont de 2 ordres : la réalisation conjointe de projets de recherche et l'échange de personnel; et l'accueil de stagiaires venant de pays en voie de développement. S'adresser à : Magella Cantin, coordonnateur de la recherche. Téléphone : (418) 654-2519.

Bibliothèque

La bibliothèque de l'Institut national de la recherche scientifique comprend 7 601 cartes et plus de 20 000 monographies. Professeurs et étudiants ont accès, via un système informatisé de repérage, au catalogue renfermant les informations sur les volumes, revues, collections dans toutes les bibliothèques du réseau et de l'Institut national de la recherche scientifique. Ses services informatiques sont équipés à L'INRS-Énergie de deux PDP 11/45 et 11/73 et d'un VAX-750; à l'INRS-Santé d'un PDP 11/45; à l'INRS-Urbanisation d'un MICROVAX 11; à l'INRS-Administration d'un HP 3000; à l'INRS-Eau d'un VAX-780 et à l'INRS-Océanographie d'un HP 9000. Ces équipements constituent un réseau informatique de communications.

Programmes et grades

Vous trouverez des renseignements sur le temps et le nombre de crédits normalement requis pour terminer les programmes indiqués, au chapitre concernant l'Université du Québec, **à l'article traitant des programmes et des grades.**

Administration des affaires
Maîtrise en analyse et gestion urbaines (MA)

Génie
Maîtrise en télécommunications (MSc)
Doctorat en télécommunications (PhD)

Sciences de la santé
Maîtrise en sciences expérimentales de la santé (MSc)

Sciences de l'eau
Maîtrise en sciences de l'eau (MSc)
Doctorat en sciences de l'eau (PhD)

Sciences physiques
Maîtrise en sciences de l'énergie (MSc)
Doctorat en sciences de l'énergie (PhD)

Recherche
INRS-Eau. Directeur : M. Slivitky, DSc

INRS-Energie. Directeur : Fernand Rhéault, DSc

INRS-Géoressources. Directeur : Aicha Achab, DrèsSc

INRS-Océanologie. Directeur : P. Mayzaud, Dr3ecycle, DrEtatScNat

INRS-Santé. Directeur : R. Dugal, PhD

INRS-Télécommunications. Directeur : R. de B. Johnston, PhD

INRS-Urbanisation. Directrice : C. Lebourdais

Chaires de recherche

Chaire FADOQ de la Fondation de l'Age d'or du Québec. Denis Gauvreau

Chaire Cyrille-Duquet des logiciels de communications. Joseph Lubacz

Télé-université

Renseignements généraux

Adresse : 2635, boulevard Hochelaga, 7e étage, C.P. 10700, Sainte-Foy (Québec) G1V 4C9
Téléphone : (418) 657-2262
Télécopieur : (418) 657-2262 poste 286

Directeur général : Jean-Guy Béliveau, LPéd

Demandes de renseignements : Prière d'adresser la correspondance d'ordre général au registraire, Guy Savoie, MBibl, MLitCan

Professeurs à plein temps (1988-1989) : 25

Historique et statuts

La Télé-université a été constituée au terme de nombreuses études portant sur l'opportunité d'implanter au Québec, à l'instar de nombreux autres pays, des programmes de formation à distance. La commission de la Télé-université a été créée en octobre 1972.

En juin 1974, compte tenu d'une situation qui a considérablement évolué et suite à une clarification des modes de fonctionnement de la Télé-université, l'assemblée des gouverneurs créait une "Direction générale de la Télé- université" administrée par une commission en vertu de l'article 22 de la loi de l'Université du Québec. La Télé-université devient alors "un organisme expérimental", responsable de la formation au même titre qu'une unité constituante, à vocation limitée toutefois et répondant aux missions qui lui sont attribuées par l'assemblée des gouverneurs. En 1979, au terme d'une évaluation des actions de formation à distance, l'Université du Québec recommande au ministre de l'Éducation l'institution d'une école supérieure de formation à distance sous le nom de Télé-université.

La Télé-université offre un enseignement universitaire à distance destiné aux adultes et ce, en conformité avec les objectifs d'éducation permanente et les politiques d'accessibilité de l'Université du Québec. Elle développe la formation à distance sur l'ensemble du territoire du Québec en s'appuyant sur les ressources du réseau d'établissements universitaires et les ressources du milieu éducatif en général. Elle favorise l'étude "à domicile" et l'autonomie dans la démarche d'apprentissage de l'étudiant tout en offrant un service d'encadrement qui lui permette de recourir à des moyens et à un support pédagogique adaptés à ses besoins.

La Télé-université a soumis, à l'hiver 1985, à l'approbation de l'assemblée des gouverneurs de l'Université du Québec les orientations qu'elle entend prendre pour diriger son développement à moyen terme dans le cadre de l'axe de développement qui lui est reconnu : information et communication et des pôles institutionnels que sont la technodidactique, les techniques de communication et la formation continue.

La Télé-université fait partie d'un réseau d'institutions universitaires d'enseignement et de recherche publiques, mixtes et non confessionnelles qui constituent l'Université du Québec.

Mandat international

Les principales activités de coopération internationale de la Télé-université avec les pays-en développement comprennent 3 aspects : offre de la programmation régulière de la Télé-université; offre de programmes de formation en formation à distance; et conseil dans les champs d'expertise suivants : sources de financement international, télécommunications internationales, transports des biens et services, "design" pédagogique, "design" médiatique et gestion du transfert de connaissances et du transfert technologique. S'adresser à : Pierre Patry, directeur, Bureau de la coopération extérieure. Téléphone : (514) 522-3540.

Bibliothèque

La Télé-université possède une bibliothèque renfermant plus de 12 000 monographies et 380 périodiques. Professeurs et étudiants ont accès, via un système informatisé de repérage, au catalogue renfermant les informations sur les volumes, revues et collections dans toutes les bibliothèques du réseau et de la Télé-université. Ses services informatiques utilisent un IBM 9377-90 ainsi qu'un CYBER 930. Ces équipements constituent un réseau informatique de communications.

Programmes et grades

Vous trouverez des renseignements sur le temps et le nombre de crédits normalement requis pour terminer les programmes indiqués, au chapitre concernant l'Université du Québec, **à l'article traitant des programmes et des grades**.

Administration des affaires

Certificat de 1er cycle en gestion du travail de bureau.

Communications

Certificat de 1er cycle en communication organisationnelle.
Baccalauréat en communications (BA)

Éducation

Diplôme de 2e cycle en formation à distance.

Études plurisectorielles

Certificat de 1er cycle en culture scientifique et technologique.
Certificat de 1er cycle en études pluridisciplinaires.
Certificat de 1er cycle en gestion prospective du travail.
Certificat de 1er cycle en sciences sociales.

Informatique

Certificat de 1er cycle en informatique appliquée à l'éducation.

Sciences sociales

Certificat de 1er cycle en connaissance de l'homme en société.
Certificat de 1er cycle en connaissance de l'homme et du milieu.

Participation étudiante

La participation des étudiants est prévue à divers niveaux, non seulement à celui des instances supérieures de l'Université du Québec (assemblée des gouverneurs, conseil des études) mais également à la commission de la Télé-université.

Recherche

Depuis 1980, la Télé-université s'est dotée d'un comité de la recherche dont la tâche principale est d'orienter les travaux des professeurs en attribuant des subventions du Fonds institutionnel de recherche (FIR). La réorganisation structurelle de 1985 a amené la création d'une Direction de la recherche et des études avancées. Enfin, elle s'est donné une politique de la recherche qui

encadre et oriente de manière efficace ses activités de recherche.

La Télé-université encourage la recherche libre et la recherche fondamentale de ses professeurs. Cependant, elle accorde la priorité à la recherche sur la formation à distance et les applications des nouvelles technologies de communication à l'enseignement. La formation à distance est en soi un secteur de recherche en émergence. La plupart des établissements à distance à travers le monde ont été créés au cours des 20 dernières années. En conséquence, la Télé-université doit constamment innover, expérimenter, évaluer et ajuster son approche et ses méthodes d'enseignement; elle doit aussi apprivoiser les technologies de communication qui supportent l'enseignement à distance. La Télé-université est donc plus engagée dans la recherche appliquée et le développement que dans la recherche fondamentale.

Université du Québec en Abitibi-Témiscamingue*

Renseignements généraux

Adresse : 42, rue Mgr Rhéaume est,
Rouyn (Québec) J9X 5E4
Téléphone : (819) 762-0971
Télécopieur : (819) 797-4727

Recteur : Jules Arsenault, MBA

Demandes de renseignements : Prière d'adresser la correspondance d'ordre général au registraire, Norman Murphy, BA

Agent de liaison cégep : Denis Verret

Professeurs à plein temps (1988-1989) :57

Historique et statuts

En juin 1970, l'Université du Québec à Trois-Rivières procédait à l'extension de ses services dans le Nord-Ouest québécois, par la mise sur pied des SUNOQ (Services universitaires dans le Nord-Ouest québécois). Par ailleurs, l'assemblée des gouverneurs de l'Université du Québec, par ses résolutions du 24 mars et du 28 juillet 1971, créait sous la responsabilité du vice-président à l'enseignement, les Services universitaires dans l'Outaouais (SUNO).

Le 20 mai 1972, l'assemblée des gouverneurs groupait ces 2 unités (SUNO et SUNOQ) sous la responsabilité d'une commission chargée de l'administration et du développement de ces services. Le 22 novembre suivant, l'unification complète s'effectuait par la création d'une Direction des études universitaires dans l'Ouest québécois (DEUOQ).

Le 25 octobre 1976, le Conseil des ministres octroyait des lettres patentes, en vertu de la loi créant l'Université du Québec (Loi 88, adoptée le 18 décembre 1968, article 50). Ces lettres patentes instituaient un Centre d'études universitaires dans l'Ouest québécois (CEUOQ). Ce nouveau centre, ayant statut d'école supérieure, remplaçait le 1er janvier 1977, l'ancienne Direction des études universitaires dans l'Ouest québécois dans tous ses droits et obligations.

Le 25 septembre 1979, le Conseil d'administration du CEUOQ décidait de requérir auprès des instances compétentes, l'obtention de lettres patentes créant une "Université du Québec à Hull" et dotait la composante "Nord-Ouest québécois" d'un organisme consultatif, la Commission du Nord-Ouest, ayant pour mandat d'examiner toute question relative à l'enseignement universitaire en Abitibi-Témiscamingue.

Le 27 mai 1981, à la suite de l'octroi de lettres patentes le 10 mars 1981, créant l'Université du Québec à Hull, l'assemblée des gouverneurs constituait le Centre d'études universitaires d'Abitibi-Témiscamingue (CEUAT). Le 20 octobre 1983, le lieutenant-gouverneur en conseil instituait par lettres patentes l'Université du Québec en Abitibi-Témiscamingue (UQAT).

L'UQAT est un établissement d'enseignement public, mixte et non confessionnel.

L'Université du Québec en Abitibi-Témiscamingue fait partie du réseau de l'Université du Québec.

L'Abitibi-Témiscamingue est maintenant dotée d'une université qui dispense des enseignements à partir de Rouyn et de Val d'Or, dans les localités suivantes : Amos, Chibougamau, La Sarre, Lebel-sur-Quévillon, Malartic, Matagami, Barraute-Senneterre, Ville-Marie et Radisson. Ces activités se regroupent dans les secteurs disciplinaires suivants : éducation, administration, sciences comptables, sciences sociales et sciences de la santé, sciences du comportement humain et arts plastiques.

Bibliothèque

La bibliothèque contient 116 736 monographies et plus de 2 000 périodiques; professeurs et étudiants ont accès, via un système informatisé de repérage, au catalogue renfermant les informations sur les volumes, revues et collections dans toutes les bibliothèques du réseau et de l'Université du Québec en Abitibi-Témiscamingue. Ses services informatiques sont équipés d'un VAX-8350.

Programmes et grades

Vous trouverez des renseignements sur le temps et le nombre de crédits normalement requis pour terminer les programmes indiqués, au chapitre concernant l'Université du Québec, **à l'article traitant des programmes et des grades**.

Administration des affaires

Certificat de 1er cycle en administration.
Certificat de 1er cycle en gestion des opérations.
Certificat de 1er cycle en relations de travail.
Certificat de 1er cycle en sciences comptables.
Baccalauréat en administration (BAA)
Baccalauréat en sciences comptables (BAA)
Maîtrise en gestion des projets (MSc)
Maîtrise en gestion des petites et moyennes organisations (MSc)

Beaux-arts et arts appliqués

Certificat de 1er cycle en arts plastiques.
Baccalauréat en arts plastiques (BA)

Communications

Certificat de 1er cycle en communication.

Droit

Certificat de 1er cycle sur le droit et les citoyens.

Éducation

Certificat de 1er cycle en application.
Certificat de 1er cycle en andragogie.
Certificat de 1er cycle en développement de la pratique éducative.

* Membre ordinaire de l'AUCC

Certificat de 1er cycle en enseignement au préscolaire et au primaire en milieu nordique
Certificat de 1er cycle en enseignement d'une langue seconde.
Certificat de 1er cycle en sciences de l'éducation.
Baccalauréat en éducation au préscolaire et en enseignement au primaire (BEd)
Baccalauréat en enseignement en administration (BAA)
Maîtrise en éducation (MEd)
Doctorat en éducation (PhD)

Génie
Baccalauréat en génie unifié (BIng)

Informatique
Certificat de 1er cycle en informatique de gestion.
Baccalauréat en informatique de gestion (BScA)

Psychologie
Certificat de 1er cycle en psychologie générale.
Baccalauréat en psycho-éducation (BEd)

Sciences infirmières
Certificat de 1er cycle en nursing communautaire.
Certificat de 1er cycle en santé mentale.
Certificat de 1er cycle en soins infirmiers cliniques.
Baccalauréat en sciences infirmières (BSc)

Services publics
Certificat de 1er cycle en animation.
Certificat de 1er cycle en gérontologie.
Baccalauréat en travail social (BTs)

Vie étudiante et services aux étudiants

La mission globale des services à la collectivité consiste à mettre à la disposition des organismes, groupes ou individus les ressources humaines ou matérielles de l'Université du Québec en Abitibi-Témiscamingue.

Les interventions des services à la collectivité s'articulent dans un cadre d'activités non créditées et sont habituellement de nature ponctuelle. La catégorisation des interventions est des sessions de perfectionnement sur mesure, l'organisation des colloques et des conférences publiques, l'organisation de conférences-ateliers, l'aide à des groupes et des sessions programmées.

De plus, l'Université du Québec en Abitibi-Témiscamingue donne à l'étudiant accès aux services d'accueil, d'information, de logement, de placement, de santé, d'animation socioculturelle et sportive, de l'audiovisuel et de l'informatique.

Participation étudiante
La participation des étudiants est prévue à divers niveaux non seulement à celui des instances supérieures de l'Université du Québec (assemblée des gouverneurs, conseil des études) et de l'Université du Québec en Abitibi- Témiscamingue (conseil d'administration, commission des études), mais aussi au niveau de chaque programme (conseil de module, comité de programme). Il y a aussi diverses associations étudiantes dont l'association générale des étudiants de l'Université du Québec en Abitibi-Témiscamingue (AGEUQAT).

Recherche

Groupe de diagnostic et de recherche en gestion de la petite et moyenne entreprise.

Groupe de recherche en enseignement professionnel.

Groupe de recherche sur l'expérimentation sociale en Abitibi-Témiscamingue.

Groupe multirégional de recherche sur les applications pédagogiques de l'ordinateur.

Laboratoire de psychologie expérimentale.

Université du Québec - École nationale d'administration publique*

Renseignements généraux

Adresse : 945, rue Wolfe, Sainte-Foy (Québec) G1V 3J9
Téléphone :(418) 657-2489
Télécopieur : (418) 657-2620

Directeur général : Pierre De Celles, MèsSc

Demandes de renseignements : Prière d'adresser la correspondance d'ordre général au registraire, Pierre Ducharme, LDrScoletProf

Inscriptions (1988-1989) ;
2e et 3e cycles à plein temps : 42
2e et 3e cycles à temps partiel : 724

Professeurs à plein temps (1988-1989) : 40

Historique et statuts

Fondée en 1969, l'École nationale d'administration publique est un établissement d'enseignement supérieur et de recherche public, mixte et non confessionnel en administration publique.

Sa mission comporte 3 volets : la formation des nouveaux et futurs gestionnaires de l'administration publique, le perfectionnement des gestionnaires en exercice et la recherche relative à l'administration publique. Les champs d'expertise développés par l'École nationale d'administration publique sont les suivants :

La formation de 400 administrateurs et gestionnaires publics inscrits aux divers programmes d'études avancées.

La préparation et la réalisation de programmes de perfectionnement de courte, moyenne et longue durée auxquels s'inscrivent annuellement quelques milliers d'administrateurs publics de la fonction publique québécoise et fédérale, de réseaux de l'éducation, des affaires sociales et des secteurs municipal et péripublic. La réalisation, à la demande des organisations des secteurs public, parapublic et péripublic, de programmes sur mesure et d'activités de consultation.

La réalisation d'un ensemble intégré de recherches fondamentales et appliquées à l'administration publique. L'École met à la disposition des professeurs, des conseillers en administration publique et des chercheurs des moyens financiers qui sont susceptibles de les aider dans leurs projets.

L'accueil des hauts fonctionnaires, l'organisation à leur intention de tables rondes, de colloques, de séminaires, de diffusion d'études et de recherches faites dans le cadre de ces principales activités, la préparation et l'implantation d'un programme d'accueil de type nouveau à l'intention des sous-ministres, sous-ministres adjoints et associés et des dirigeants d'organismes nouvellement nommés par le gouvernement du Québec.

L'École nationale d'administration publique fait partie du réseau de l'Université du Québec.

En tant qu'école professionnelle, l'École nationale d'administration publique dispense un programme de maîtrise en administration publique, à temps plein et à temps partiel, à Québec, à Montréal, à Hull, à Chicoutimi et à Trois-Rivières. Elle offre également des programmes courts d'études avancées dans divers domaines spécialisés. Conjointement avec l'Institut national de la recherche scientifique et l'Université du Québec à Montréal, l'École nationale d'administration publique dispense à Montréal un programme de maîtrise en analyse et gestion urbaines.

Bibliothèque

La bibliothèque renferme plus de 36 500 monographies et 2 312 périodiques; professeurs et étudiants ont accès, via un système informatisé de repérage, au catalogue renfermant les informations sur les volumes, revues et collections dans le réseau et à l'École nationale d'administration publique. En outre, elle utilise l'équipement informatique du réseau de l'Université du Québec (CYBER 830).

Programmes et grades

Vous trouverez des renseignements sur le temps et le nombre de crédits normalement requis pour terminer les programmes indiqués, au chapitre concernant l'Université du Québec, **à l'article traitant des programmes et des grades**.

Administration des affaires

Diplôme de 2e cycle en administration internationale.
Diplôme de 2e cycle en administration publique.
Maîtrise en administration publique (MAP)
Maîtrise en analyse et gestion urbaines (MA)

Perfectionnement

Au niveau du perfectionnement, l'Ecole nationale d'administration publique offre 3 types de services aux organisateurs des secteurs public et parapublic : des programmes de perfectionnement faits sur mesure pour les gestionnaires d'une même organisation, des services de consultation dans les divers domaines de la gestion, des expertises pour inventorier les besoins des organisations relatifs au développement de leurs ressources humaines; elle dispense également de nombreux programmes de perfectionnement de longue et de courte durée à l'intention des gestionnaires de tous les secteurs et réseaux de l'administration publique. Ces activités de perfectionnement sont dispensées là où les besoins des clients l'exigent.

Vie étudiante et services aux étudiants

Participation étudiante

La participation des étudiants est prévue à divers niveaux des instances supérieures de l'Université du Québec (assemblée des gouverneurs, conseil des études), et de

* Membre ordinaire de l'AUCC

l'École nationale d'administration publique (conseil d'administration et commission des études).

Liaison entre les étudiants handicapés et les divers services universitaires

Les étudiants handicapés qui désirent obtenir de l'information quant aux services et matériels mis à leur disposition à l'École nationale d'administration publique peuvent s'adresser au directeur des services aux étudiants qui agit comme agent de liaison et qui peut les aider dans leurs démarches auprès des divers services et intervenants.

Recherche

Dans le domaine de la recherche, l'École nationale d'administration publique concentre ses efforts sur les buts suivants : favoriser la recherche appliquée, se sensibiliser aux questions d'actualité, favoriser l'intégration des divers groupes de ressources et se prêter à l'évaluation des résultats. La recherche institutionnelle se concentre dans 3 axes principaux : les interventions gouvernementales, les politiques gouvernementales et les administrations.

En participant activement à des activités de coopération internationale, l'École nationale d'administration publique veut apporter sa collaboration et sa contribution à l'avancement de l'administration publique et à la formation des administrateurs publics tant dans les pays industrialisés que dans les pays en voie de développement.

La coopération internationale. Coordonnateur général : Serge Raymond

Le Groupe d'étude, de recherche et de formation internationales (GERFI). directeur : Louis Sabourin.

Université du Québec à Chicoutimi*

Renseignements généraux

Adresse : 555, boulevard de l'Université, Chicoutimi (Québec) G7H 2B1
Téléphone : (418) 545-5011

Recteur : Hubert Laforge, PhD

Demandes de renseignements : Prière d'adresser la correspondance d'ordre général au registraire, Mario Gagné, BScCom

Agent de liaison cégep : Denis Claveau

Inscriptions (1988-1989) ;

1er cycle à plein temps :	2 613
1er cycle à temps partiel :	4 233
2e et 3e cycles à plein temps :	183
2e et 3e cycles à temps partiel :	343

Professeurs à plein temps (1988-1989) :212

Historique et statuts

Le 18 décembre 1968, l'Assemblée nationale du Québec créait, par la Loi 88, l'Université du Québec. Dès le mois de mars 1969, l'Université du Québec à Chicoutimi recevait ses propres lettres patentes et commençait à donner son enseignement en septembre de la même année. Son implantation a pu se faire assez rapidement grâce au regroupement d'établissements d'enseignement de niveau universitaire déjà à l'oeuvre dans la région depuis plusieurs années : l'École de commerce, l'École de génie, le Centre de formation des maîtres et le Grand Séminaire de Chicoutimi. En effet, dès 1959, des citoyens, conscients des besoins de formation universitaire au Saguenay-Lac-Saint-Jean, avaient constitué ce qu'on appelait "Le Groupe Saint-Thomas". Cette corporation réalisa de nombreuses études qui firent apparaître plus clairement encore la nécessité de fonder une maison d'enseignement supérieur dans la région. La clairvoyance et le sérieux des études du groupe comptèrent pour beaucoup dans la décision du gouvernement du Québec de doter le Saguenay-Lac-Saint-Jean de services universitaires plus complets.

L'Université du Québec à Chicoutimi est un établissement d'enseignement public, mixte et non confessionnel et fait partie du réseau de l'Université du Québec.

Exceptionnellement situées au plan géographique, Chicoutimi et les villes voisines de la Baie et de Jonquière forment une conurbation qui dispose de tous les services habituellement offerts dans tout centre urbain de cette importance. Les trois villes regroupent plus de 150 000 habitants et, grâce à la complémentarité qui les caractérise, elles constituent un ensemble homogène au sein duquel chacune conserve son originalité particulière.

Établissement d'enseignement supérieur et de recherche fondé le 19 mars 1969, l'Université du Québec à Chicoutimi a comme mission fondamentale de desservir la population des régions du Saguenay, du Lac-Saint-Jean, de Charlevoix et de la Côte-Nord. Elle assure sa présence sur ce vaste territoire grâce à son campus situé à Chicoutimi, et par ses centres d'études d'Alma, de Saint-Félicien, de la Malbaie et de Sept-Iles.

Tout en poursuivant une vocation essentiellement générale, l'Université du Québec à Chicoutimi a mis en place des programmes d'études et des activités de recherche qui veulent répondre aux nombreux besoins de formation de la population et mettre en valeur le potentiel régional : recherche sur les populations, études amérindiennes, étude des parlers régionaux, histoire et archéologie régionales, aménagement du territoire, recherche sur les richesses minières, ressources renouvelables, travaux sur l'ingénierie de l'environnement atmosphérique, études régionales, recherches sur les petites et moyennes organisations.

Au mois de mai 1988, l'Université du Québec à Chicoutimi créait une chaire industrielle relative à la solidification et à la fonderie de l'aluminium.

L'université est ainsi devenue le premier établissement francophone d'enseignement supérieur à ouvrir une telle chaire avec l'agrément du Conseil de recherche en sciences naturelles et en génie du Canada.

Mandat international

L'agent de liaison internationale agit comme une ressource d'appui aux intervenants du milieu qui désirent participer aux activités de coopération internationale. Il rend disponible l'information nécessaire, appuie les démarches, participe à la gestion des projets, et reçoit les visiteurs de l'étranger. Il appuie également les groupes de sensibilisation sur le campus qui se retrouvent dans le cadre du centre intégré de ressources en développement international. L'université est présente dans 6 pays dans le cadre d'ententes de collaboration variées : le Maroc, le Rwanda, le Burkina Faso, le Cameroun, la Colombie et la Chine populaire. S'adresser à : Gilles Caron, adjoint au vice-recteur à l'enseignement et à la recherche. Téléphone : (418) 545-5367.

Terrains et bâtiments

L'Université du Québec à Chicoutimi dispense son enseignement dans un pavillon situé sur le campus. Elle dispose également de 2 autres pavillons, l'un où sont regroupés tous les services administratifs et l'autre entièrement conçu pour l'activité sportive. De plus, l'université possède une station d'enseignement et de recherche située dans les Laurentides à environ 30 km du campus.

* Membre ordinaire de l'AUCC

Bibliothèque

La bibliothèque comprend près de 140 000 monographies et plus de 1 000 périodiques; professeurs et étudiants ont accès, via un système informatisé de repérage, au catalogue renfermant les informations sur les volumes, revues et collections dans toutes les bibliothèques du réseau et de l'Université du Québec à Chicoutimi. En outre, les services informatiques utilisent les équipements 2 MICROVAX II, 1 VAX-750, 1 VAX-780, 1 VAX-785 (CAO/FAO) et un VAX-8350. Ces équipements constituent un réseau informatique de communications.

Programmes et grades

Vous trouverez des renseignements sur le temps et le nombre de crédits normalement requis pour terminer les programmes indiqués, au chapitre concernant l'Université du Québec, **à l'article traitant des programmes et des grades**.

Administration des affaires

Certificat de 1er cycle en administration.
Certificat de 1er cycle en assurance de personnes.
Certificat de 1er cycle en droit des affaires.
Certificat de 1er cycle en gestion des ressources humaines.
Certificat de 1er cycle en sciences comptables.
Baccalauréat en administration (BAA)
Baccalauréat en sciences comptables (BAA)
Maîtrise en gestion de projets (MSc)
Maîtrise en gestion des petites et moyennes organisations (MSc)

Beaux-arts et arts appliqués

Certificat de 1er cycle en arts visuels.
Certificat de 1er cycle en cinéma et vidéo.
Certificat de 1er cycle en théories et histoire de l'art.
Baccalauréat interdisciplinaire en arts (BA)
Maîtrise en arts plastiques (MA)

Bibliothéconomie

Certificat de 1er cycle en archivistique.

Biologie

Certificat de 1er cycle en sciences de l'environnement.
Baccalauréat en biologie (BSc)
Maîtrise en médecine expérimentale-génétique (MSc)

Éducation

Certificat de 1er cycle en andragogie.
Certificat de 1er cycle en enseignement du français au primaire.
Certificat de 1er cycle en enseignement du français au secondaire.
Certificat de 1er cycle en sciences de l'éducation.
Baccalauréat d'éducation au préscolaire et enseignement au primaire (BEd)
Baccalauréat d'enseignement en adaptation scolaire (BEd)
Baccalauréat d'enseignement en administration (BAA)
Baccalauréat d'enseignement en sciences (BSc)
Baccalauréat d'enseignement en sciences sociales (BA)
Baccalauréat d'enseignement technologique et professionnel (BEd)
Maîtrise en éducation (MEd)
Doctorat en éducation (PhD)

Éducation physique

Certificat de 1er cycle en sciences de l'activité physique.
Baccalauréat en sciences de l'activité physique (BSc)

Études plurisectorielles

Certificat de 1er cycle en santé et sécurité au travail.

Génie

Baccalauréat en génie géologique (BIng)
Baccalauréat en génie informatique (BIng)
Baccalauréat en génie unifié (BIng)
Maîtrise en ingénierie (MScA)

Informatique

Certificat de 1er cycle en application de l'informatique.
Certificat de 1er cycle en informatique.
Baccalauréat en informatique de gestion (BScA)

Langues et lettres

Certificat de 1er cycle en anglais, langue seconde.
Certificat de 1er cycle en espagnol.
Certificat de 1er cycle en techno-linguistique autochtone.

Mathématiques

Baccalauréat en mathématiques-informatique (BSc)

Psychologie

Certificat de 1er cycle en psychologie.
Certificat de 1er cycle en réadaptation sociale.

Sciences infirmières

Certificat de 1er cycle en nursing communautaire.
Baccalauréat en sciences infirmières (BSc)

Sciences physiques

Baccalauréat en chimie (BSc)
Baccalauréat en physique (BSc)
Baccalauréat en géologie (BSc)
Maîtrise en ressources

Sciences religieuses

Certificat de 1er cycle en sciences religieuses.

Services publics

Certificat de 1er cycle en animation.
Certificat de 1er cycle en gérontologie.
Certificat de 1er cycle en travail social.
Baccalauréat en travail social (BTS)

Théologie

Baccalauréat en théologie (BTh)

Vie étudiante et services aux étudiants

Les objectifs sont de participer à la formation des étudiants; de promouvoir l'intégration des étudiants à la société; de faciliter la poursuite de leurs études en assurant les services socio-économiques; de faire bénéficier la communauté universitaire des services

ainsi rendus et d'humaniser le milieu universitaire. De plus, l'étudiant a accès à de nombreux services tels que la santé, le placement, les activités sportives et l'informatique. En outre, cette institution possède des résidences universitaires pour recevoir environ 120 étudiants. Le critère de sélection considéré est l'ordre d'arrivée des réservations.

Participation étudiante

La participation des étudiants est prévue à divers niveaux, non seulement à celui des instances supérieures de l'Université du Québec (assemblée des gouverneurs, conseil des études) et de l'Université du Québec à Chicoutimi (conseil d'administration, commission des études), mais aussi au niveau de chaque programme (conseil de module, comité de programme). Il y a aussi diverses associations étudiantes dont l'association générale des étudiants de l'Université du Québec à Chicoutimi (AGEUQAC).

Recherche

Centre d'études sur les ressources minérales.

Équipe de recherche sur les études amérindiennes.

Groupe de recherche en productivité végétale.

Groupe de recherche en ingénierie de l'environnement atmosphérique.

Groupe de recherche en ingénierie des procédés et des systèmes.

Groupe de recherche et d'interventions régionales.

Laboratoire d'expertise et de recherche en ergonomie.

Laboratoire de recherche en informatique et bureautique.

Recherche en productivité aquatique.

Société interuniversitaire de recherches sur les populations.

Université du Québec à Hull*

Renseignements généraux

Adresse : Case postale 1250, Succursale B,
Hull (Québec) J8X 3X7
Téléphone : (819) 595-3844
Télécopieur : (819) 595-3924

Recteur : Jacques Plamondon, PhD

Demandes de renseignements : Prière d'adresser la correspondance d'ordre général au registraire, Richard Bérubé, BScCom

Agent de liaison cégep : Pierre Boucher

Inscriptions (1988-1989) ;

1er cycle à plein temps :	1 674
1er cycle à temps partiel :	3 533
2e et 3e cycles à plein temps :	20
2e et 3e cycles à temps partiel :	217

Professeurs à plein temps (1988-1989) :110

Historique et statuts

En juin 1970, l'Université du Québec à Trois-Rivières procédait à l'extension de ses services dans le Nord-Ouest québécois par la mise sur pied des SUNOQ (Services universitaires dans le Nord-Ouest québécois). Par ailleurs, l'assemblée des gouverneurs de l'Université du Québec, par ses résolutions du 24 mars et du 28 juillet 1971, créait sous la responsabilité du vice-président à l'enseignement les Services universitaires dans l'Outaouais (SUNO).

Le 20 mai 1972, l'assemblée des gouverneurs groupait ces 2 unités (SUNO et SUNOQ) sous la responsabilité d'une commission chargée de l'administration et du développement de ces services. Le 22 novembre suivant, l'unification complète s'effectuait par la création d'une Direction des études universitaires dans l'Ouest québécois (DEUOQ).

Par la suite, le 25 octobre 1976, le lieutenant-gouverneur en conseil octroyait des lettres patentes en vertu de la loi créant l'Université du Québec, afin d'instituer un Centre d'études universitaires dans l'Ouest québécois. Ce centre, ayant statut d'école supérieure, remplaçait le 1er janvier 1977, l'ancienne Direction des études universitaires dans l'Ouest québécois dans tous ses droits et obligations. Il avait son siège social à Hull et dispensait des enseignements dans les régions du Nord-Ouest québécois et dans l'Outaouais. Enfin, le 10 mars 1981, le lieutenant-gouverneur en conseil instituait par lettres patentes l'Université du Québec à Hull (UQAH) pour succéder au Centre d'études universitaires dans l'Ouest québécois. Peu de temps après, c'est-à-dire le 30 avril 1981, la partie Outaouais du Centre d'études universitaires dans l'Ouest québécois a été cédée et transportée à l'Université du Québec à Hull (UQAH) tandis que, le 31 mai 1981, la partie Nord-Ouest a été cédée et transportée à l'Université du Québec.

L'Université du Québec à Hull est un établissement d'enseignement public, mixte et non confessionnel et fait partie du réseau de l'Université du Québec.

Les activités d'enseignement de l'Université du Québec à Hull se regroupent autour des secteurs éducation, psycho-éducation et orthopédagogie, arts, lettres, administration, relations industrielles, informatique, sciences comptables, sciences sociales et sciences de la santé. En outre, l'université dispense également des activités d'enseignement dans des sous-centres (Buckingham, Fort-Coulonge, Lachute, Laval, Longueuil, Masham, Papineauville, Maniwaki, Mont-Laurier et L'Annonciation, Ste-Agathe-des-Monts, St-Jérôme, St-Jovite et Valleyfield). De plus, l'université participe à des programmes d'échange d'étudiants avec des universités américaines (Californie, Nouvelle-Angleterre, New York, Dakota, Nouveau-Mexique), ontariennes, de la Nouvelle-Écosse, de la France et de la Grande-Bretagne.

La recherche est partie intégrante de l'enseignement universitaire et, à ce titre, constitue une priorité institutionnelle.

La recherche est en plein essor à l'UQAH. Elle s'effectue dans tous les départements, au sein des diverses disciplines du corps professoral. Les subventions, contrats et commandites des professeurs procurent un nombre intéressant de postes d'assistants de recherche pour les étudiants réguliers de 2e et 3e cycle, ainsi que pour certains finissants du 1er cycle.

L'Université du Québec à Hull est une université en pleine croissance dont le dynamisme profitera à l'Outaouais. Aussi, sa proximité de la capitale fédérale est un facteur qui influencera positivement son expansion au cours de la prochaine décennie.

Mandat international

L'agent de liaison internationale coordonne les efforts de l'Université du Québec à Hull pour participer aux activités de développement international. S'adresser à : Jean Lengellé, doyen des études avancées et de la recherche. Téléphone : (819) 595-3940.

Terrains et bâtiments

L'université occupe 2 campus au coeur de la ville de Hull et loue d'autres surfaces afin de pourvoir, tant à ses besoins d'enseignement et de recherche qu'à ceux de son administration.

Bibliothèque

La bibliothèque renferme près de 84 000 monographies et plus de 3 0000 périodiques; professeurs et étudiants ont accès, via un système informatisé de repérage, au catalogue renfermant les informations sur les volumes, revues et collections dans toutes les bibliothèques du

* Membre ordinaire de l'AUCC

réseau et de l'Université du Québec à Hull. En outre, les services informatiques utilisent deux VAX-750 et un IBM 9377-90. Ces équipements constituent un réseau informatique de communications.

Programmes et grades

Vous trouverez des renseignements sur le temps et le nombre de crédits normalement requis pour terminer les programmes indiqués, au chapitre concernant l'Université du Québec, **à l'article traitant des programmes et des grades**.

Administration des affaires

Certificat de 1er cycle en administration.
Certificat de 1er cycle en administration des services.
Certificat de 1er cycle en comptabilité générale.
Certificat de 1er cycle en relations industrielles.
Certificat de 1er cycle en sciences comptables.
Baccalauréat en administration (BAA)
Baccalauréat en sciences comptables (BAA)
Diplôme de 2e cycle en management des services publics régionaux.
Maîtrise en gestion de projets (MSc)
Maîtrise en relations industrielles (MSc)

Beaux-arts et arts appliqués

Certificat de 1er cycle en arts plastiques.

Communications

Certificat de 1er cycle en communication.

Éducation

Certificat de 1er cycle en application pédagogique de l'ordinateur.
Certificat de 1er cycle en éducation de la prime enfance.
Certificat de 1er cycle en enseignement du français au primaire.
Certificat de 1er cycle en sciences de l'éducation.
Baccalauréat en éducation au préscolaire et enseignement au primaire (BEd)
Baccalauréat en enseignement en administration (BAA)
Baccalauréat en enseignement professionnel (BEd)
Baccalauréat en sciences de l'éducation (BEd)
Diplôme de 2e cycle en andragogie.
Diplôme de 2e cycle en éducation spécialisée.
Diplôme de 2e cycle en technologie éducative.
Maîtrise en éducation (MA)
Maîtrise en éducation (MEd)
Maîtrise en éducation spécialisée (MEd)
Doctorat en éducation (PhD)

Études plurisectorielles

Certificat de 1er cycle en santé et sécurité du travail.

Informatique

Certificat de 1er cycle en informatique de gestion.
Certificat de 1er cycle en micro-informatique.
Baccalauréat en informatique (BScA)

Langues et lettres

Certificat de 1er cycle en expression française écrite.
Certificat de 1er cycle en traduction pratique.

Psychologie

Certificat de 1er cycle en intervention en sciences humaines.
Baccalauréat en orthopédagogie (BEd)
Baccalauréat en psycho-éducation (BEd)

Sciences infirmières

Certificat de 1er cycle en études en santé mentale.
Certificat de 1er cycle en soins infirmiers.
Baccalauréat en sciences infirmières (BSc)

Sciences sociales

Certificat de 1er cycle en économique.
Baccalauréat en sciences sociales (BA)

Services publics et communautaires

Certificat de 1er cycle en animation.
Certificat de 1er cycle en gérontologie
Certificat de 1er cycle en travail social.
Baccalauréat en travail social (BTS)
Diplôme de 2e cycle en géronto-thanatologie.

Vie étudiante et services aux étudiants

La direction des services aux étudiants est responsable et coordonne un ensemble d'activités et de services où l'étudiant est le premier concerné. Ces services et activités ont pour but de faciliter l'intégration des étudiants au milieu universitaire et de les soutenir dans leur cheminement scolaire. La direction des services aux étudiants est prête à étudier tout projet novateur provenant d'étudiants ou de groupes d'étudiants. L'étudiant, de plus, a accès à de nombreux services tels que : accueil, logement, placement, santé et socioculturel et sportif.

Participation étudiante

La participation des étudiants est prévue à divers niveaux, non seulement à celui des instances supérieures de l'Université du Québec (assemblée des gouverneurs, conseil des études) et de l'Université du Québec à Hull (conseil d'administration, commission des études), mais aussi au niveau de chaque programme (conseil de module, comité de programme). Il y a aussi diverses associations étudiantes dont l'association générale des étudiants de l'Université du Québec à Hull (AGEUQAH).

Université du Québec à Montréal*

Renseignements généraux

Adresse : 1255, rue Saint-Denis, Case postale 8888, Succursale "A", Montréal (Québec) H3C 3P8
Téléphone : (514) 987-3000
Télécopieur : (514) 987-3299

Recteur : Claude Corbo, MA(Phil), PhD

Demandes de renseignements : Prière d'adresser la correspondance d'ordre général au registraire, Ygal Leibu

Directeur du recrutement et de l'information académique : Yves Jodoin

Professeurs à plein temps (1989-1990) : 921

Historique et statuts

L'Université du Québec à Montréal (UQAM) a été créée par le gouvernement du Québec dans le cadre de la loi sur l'Université du Québec, adoptée le 18 décembre 1968. L'UQAM est un établissement d'enseignement public, mixte et non-confessionnel. Les premiers cours ont été offerts à l'automne 1969 et les premiers diplômes ont été décernés en 1971.

Désormais, l'UQAM bénéficie d'un nouveau statut juridique et institutionnel. En effet, le 19 juin 1989, l'UQAM accédait au statut d'université associée au sein du réseau de l'Université du Québec. Ce statut, consacré par la sanction de la loi 63 de l'Assemblée nationale du Québec, accorde à l'Université une autonomie nouvelle dans le réseau de l'Université du Québec. Ce statut lui permettra dorénavant de recommander directement au gouvernement la nomination de son recteur, de signer elle-même des ententes de collaboration avec tout établissement d'enseignement et de recherche, de décerner ses propres diplômes et d'assurer sa propre représentation auprès de ses interlocuteurs externes de toutes catégories.

Née de la fusion d'établissements préexistants (les Écoles normales Jacques- Cartier et Ville-Marie, l'École normale d'enseignement technique, l'École des Beaux-Arts et le Collège Sainte-Marie), l'Université du Québec à Montréal est une université à vocation générale : elle offre aujourd'hui plus de 120 programmes d'études de 1er cycle et aux études avancées, 50 programmes. En 1988-1989 ses professeurs ont obtenu 14 826 545 $ en subventions, contrats et commandites de recherche. En 1988, l'Université comptait près de 36 000 étudiants. A ses débuts, l'UQAM occupait divers édifices, pour la plupart loués, au centre-ville. En 1979, elle inaugurait la phase I de son nouveau campus. Elle est activement engagée dans la construction de la phase II. Situé en plein coeur de l'historique quartier latin de Montréal, ce complexe occupe les sites de l'ancienne église Saint-Jacques, de l'Université Laval à Montréal devenue l'Université de Montréal en 1920, contribuant ainsi à la vitalité culturelle, sociale et économique d'un quartier montréalais riche en histoire.

Les droits et pouvoirs de l'université sont exercés par un conseil d'administration dont les membres sont nommés par le gouvernement du Québec. Composé du recteur et de 15 personnes représentatives de la communauté universitaire et du milieu socio-économique, le conseil définit les grandes orientations de l'université. Il adopte les règlements de régie interne de l'UQAM et ses politiques institutionnelles et voit à la bonne gestion des biens de l'institution.

L'administration courante de l'université relève du comité exécutif. Les pouvoirs qu'il exerce lui sont conférés par le conseil d'administration. Ce comité se compose du recteur, qui le préside, et de 6 autres personnes que le conseil d'administration nomme parmi ses membres.

Sous l'autorité du conseil d'administration, la commission des études est le principal organisme responsable de l'enseignement et de la recherche. Sous réserve des règlements généraux de l'Université du Québec, elle prépare et soumet à l'approbation du conseil d'administration les règlements internes ayant trait à l'enseignement, lui fait des recommandations concernant la coordination de l'enseignement et de la recherche et exerce les responsabilités qui lui sont expressément confiées. La commission des études a le pouvoir d'instituer des sous-commissions et des comités dont elle détermine la composition et le mandat, tels que la sous-commission du 1er cycle, la sous-commission des études avancées, de la recherche et de la création, la sous-commission des ressources et le comité des services à la collectivité.

Cette commission se compose des personnes suivantes : le recteur, la vice-rectrice à l'enseignement et à la recherche, la doyenne des études de 1er cycle, le doyen des études avancées et de la recherche, 6 professeurs, 6 étudiants et un chargé de cours ayant le statut d'observateur. Le registraire est membre de cette commission sans droit de vote.

Mandat international

Les activités de coopération de l'université rentrent dans divers cadres, soit de programmes gouvernementaux (québécois et canadien), soit d'ententes avec des universités étrangères. Le Bureau de coopération internationale diffuse l'information pertinente auprès de la communauté universitaire, facilite le développement et le suivi des projets de coopération et en assure la gestion; il gère l'ensemble des programmes internes de coopération internationale. Il entretient également des liens avec le service d'accueil aux étudiants étrangers, ainsi qu'avec des organismes gouvernementaux ou internationaux de coopération. S'adresser à : Jean-Pierre Lemasson, adjoint au doyen des études avancées et de la recherche. Téléphone : (514) 987-7969.

* Membre ordinaire de l'AUCC

Terrains et bâtiments

En septembre 1990, l'Université du Québec à Montréal loge les deux tiers de ses activités dans des édifices en propriété (95 500 mètres carrés nets) et le tiers dans des édifices en location (46 500 mètres carrés nets).

Des projets majeurs de planification physique sont actuellement en cours. Le projet de la phase II (20 000 mètres carrés nets) est en phase de construction. Ce projet regroupera notamment le secteur des sciences de la gestion, la musique et la direction de l'Université (réalisation en septembre 1991). Le projet de la phase II-A (10 500 mètres carrés nets) est à l'étape des plans et devis préliminaires. Ce projet regroupera le secteur de la formation des maîtres (réalisation en septembre 1992).

Enfin, le projet de la phase III (32 000 mètres carrés nets), qui regroupera le secteur des sciences, est à l'étape initiale de démarrage (travaux échelonnés de 1990 à 1995).

Bibliothèques

Le service des bibliothèques de l'Université du Québec à Montréal (UQAM) met actuellement à la disposition de ses usagers environ 2 millions de documents, dont 1 290 000 volumes, 225 000 documents audiovisuels ainsi que 553 000 cartes, photos aériennes et partitions. Ses usagers ont également accès à quelque 8 700 périodiques. Toute cette documentation est distribuée dans un réseau de 14 points de service dont les principaux sont ses 6 bibliothèques et ses 3 collections spéciales.

Pour maximiser l'exploitation de ses collections, le Service des bibliothèques, en collaboration avec le service de l'informatique, a développé, depuis 1972, SIGIRD, son système intégré de gestion informatisée des ressources documentaires. SIGIRD comprend les modules suivants: acquisition, catalogage, indexation, contrôle de publications en série, repérage, prêt et réservation. SIGIRD est vendu commercialement sous le nom de MULTILIS.

Le service donne également accès à ses usagers aux bases de données externes de BRS, CAN/OLE, DIALOG, ORBIT, QL, QUESTEL, INFOPUQ, SERVICES DOCUMENTAIRES MULTI MEDIA et SOQUIJ.

Programmes et grades

L'UQAM offre des programmes conduisant à des diplômes aux 3 cycles d'études.

1er cycle

Le programme de baccalauréat comprend 90 crédits et donne droit au grade de bachelier. Ce programme est le plus souvent couvert en 6 sessions, à raison de 5 cours par session.

Le programme de certificat de 1er cycle comprend, pour sa part, 30 crédits.

On peut également obtenir, à certaines conditions, le grade de bachelier par cumul de certificats de 1er cycle en autant que le nombre total des crédits se monte à 90.

2e cycle

Le programme de maîtrise comprend 45 ou 60 crédits et donne droit au grade de maître. Ce programme est généralement couvert en 3 ou 4 sessions.

Couvert en 2 sessions, le programme de diplôme de 2e cycle comprend 30 crédits.

3e cycle

Le programme de doctorat comprend 90 crédits et donne droit au grade de docteur. Ce programme est couvert en 6 sessions.

On trouvera des détails sur les programmes au chapitre **Programmes préparant à un grade, un diplôme ou un certificat**.

Administration

Certificat de 1er cycle en administration
Certificat de 1er cycle en administration de services
Certificat de 1er cycle en administration des services publics
Certificat de 1er cycle en affaires immobilières
Certificat de 1er cycle en analyse financière
Certificat de 1er cycle en assurance de personnes
Certificat de 1er cycle en comptabilité générale
Certificat de 1er cycle en gestion des ressources humaines
Certificat de 1er cycle en gestion des relations du travail
Certificat de 1er cycle en gestion des services municipaux
Certificat de 1er cycle en gestion du personnel
Certificat de 1er cycle en gestion informatisée
Certificat de 1er cycle en marketing
Certificat de 1er cycle en sciences comptables
Baccalauréat en administration (BAA)
Baccalauréat en comptabilité de management (BAA)
Baccalauréat en gestion et intervention touristiques (BAA)
Baccalauréat en sciences comptables (BAA)
Maîtrise en administration des affaires (MBA) profil sans mémoire.
Maîtrise en administration des affaires (MBA) profil avec mémoire.
Maîtrise en gestion de projet (MSc)
Maîtrise en sciences comptables (MSc)
Doctorat en administration (PhD)

Arts

Certificat de 1er cycle en scénarisation cinématographique
Certificat de 1er cycle en arts d'impression
Certificat de 1er cycle en arts plastiques
Certificat de 1er cycle en peinture
Certificat de 1er cycle en sculpture
Baccalauréat en art dramatique (BA)
Baccalauréat en arts plastiques (BA)
Baccalauréat en danse (BA)
Baccalauréat en design de l'environnement (BA)
Baccalauréat en design graphique (BA)
Baccalauréat en histoire de l'art (BA)
Baccalauréat en musique (BMus)
Maîtrise en art dramatique (MA)

Maîtrise en arts plastiques (MA)
Maîtrise en études des arts (MA)

Bibliothéconomie
Certificat de 1er cycle en gestion des documents administratifs et des archives

Communications
Certificat de 1er cycle en communication
Baccalauréat en communication (BA)
Baccalauréat en psychosociologie de la communication (BA)
Maîtrise en communication (MA)
Doctorat en communication (PhD)

Droit
Certificat de 1er cycle en droit social et du travail
Baccalauréat en sciences juridiques (LLB)
Maîtrise en droit social et du travail (LLM)

Éducation
Certificat de 1er cycle en adaptation scolaire et sociale
Certificat de 1er cycle en alphabétisation
Certificat de 1er cycle en application pédagogique de l'ordinateur
Certificat de 1er cycle en éducation en milieu de garde
Certificat de 1er cycle en éducation interculturelle
Certificat de 1er cycle d'enseignement de l'initiation à la technologie
Certificat de 1er cycle en formation au plein air
Certificat de 1er cycle en intervention éducative en milieu familial et communautaire
Certificat de 1er cycle en sciences de l'éducation
Certificat de 1er cycle pour formateurs d'adultes en milieu scolaire
Certificat de 1er cycle pour instructeurs en milieu de travail
Baccalauréat d'éducation au préscolaire et d'enseignement au primaire (formation initiale) (BEd)
Baccalauréat d'éducation au préscolaire et d'enseignement au primaire (perfectionnement) (BEd)
Baccalauréat d'enseignement en activité physique (BSc)
Baccalauréat d'enseignement en adaptation scolaire et sociale (formation initiale) (BEd)
Baccalauréat d'enseignement en adaptation scolaire et sociale (perfectionnement) (BEd)
Baccalauréat d'enseignement professionnel (BEd)
Baccalauréat en information scolaire et professionnelle (BEd)
Diplôme de 2e cycle d'intégration de la recherche à la pratique éducative
Maîtrise en éducation (MA, MEd)
Maîtrise en enseignement au primaire (MEd)
Maîtrise en kinanthropologie (MSc)
Doctorat en éducation (PhD)

Environnement
Certificat de 1er cycle en écologie
Certificat de 1er cycle en sciences de l'environnement
Maîtrise en sciences de l'atmosphère (MSc)
Maîtrise en sciences de l'environnement (MSc)
Doctorat en sciences de l'environnement (PhD)

Études régionales
Certificat de 1er cycle d'études appliquées en urbanisme
Baccalauréat en urbanisme (BUrb)
Maîtrise en analyse et gestion urbaines (MA)

Langues et littérature
Certificat de 1er cycle en création littéraire
Certificat de 1er cycle en enseignement des langues secondes
Certificat de 1er cycle en études du langage
Certificat de 1er cycle en français écrit
Certificat de 1er cycle en littérature de jeunesse
Certificat de 1er cycle en terminologie
Baccalauréat en enseignement des langues secondes (BA)
Baccalauréat en enseignement du français langue maternelle (BA)
Baccalauréat en études littéraires (BA)
Baccalauréat en linguistique (BA)
Maîtrise en études littéraires (MA)
Maîtrise en linguistique (MA)
Doctorat en linguistique (PhD)
Doctorat en sémiologie (PhD)

Mathématiques
Certificat de 1er cycle en enseignement des mathématiques et des sciences au primaire
Certificat de 1er cycle en méthodes quantitatives
Baccalauréat en mathématiques (BSc)
Baccalauréat d'enseignement en mathématiques (BSc)
Maîtrise en mathématiques (MSc)
Doctorat en mathématiques (concentration en mathématiques combinatoires (PhD)

Sciences humaines et sociales
Certificat de 1er cycle en économie familiale et sociale
Certificat de 1er cycle en économique
Certificat de 1er cycle en éducation morale
Certificat de 1er cycle en enseignement de la formation personnelle et sociale
Certificat de 1er cycle en immigration et relations interethniques
Certificat de 1er cycle en insertion sociale et professionnelle des jeunes
Certificat de 1er cycle en intervention psychosociale
Certificat de 1er cycle en sciences sociales
Baccalauréat en économique (BSc)
Baccalauréat en géographie (BSc)
Baccalauréat d'enseignement en géographie (BSc)
Baccalauréat en histoire (BA)
Baccalauréat d'enseignement en histoire (BA)
Baccalauréat en philosophie (BA)
Baccalauréat en psychologie (BSc)
Baccalauréat en religiologie (BA)
Baccalauréat en enseignement moral et religieux (BA)
Baccalauréat en science, technologie et société
Baccalauréat en sciences politiques (BA)
Baccalauréat en sexologie (BA)
Baccalauréat en sociologie (BA)
Baccalauréat en travail social (BTS)

Diplôme de 2e cycle en études américaines contemporaines
Maîtrise en économique (MSc)
Maîtrise en géographie (MSc)
Maîtrise en histoire (MA)
Maîtrise en muséologie (MA)
Maîtrise en philosophie (MA)
Maîtrise en sciences politiques (MA)
Maîtrise en sciences religieuses (MA)
Maîtrise en sexologie (MA)
Maîtrise en sociologie (MA)
Doctorat en histoire (PhD)
Doctorat en philosophie (PhD)
Doctorat en psychologie (PhD)
Doctorat en sciences politiques (PhD)
Doctorat en sociologie (PhD)
Doctorat en sciences des religions (PhD)

Sciences pures et appliquées

Certificat de 1er cycle en analyse chimique
Certificat de 1er cycle en développement de logiciels
Certificat de 1er cycle en géographie physique
Certificat de 1er cycle en géologie appliquée
Certificat de 1er cycle en informatique
Certificat de 1er cycle en microprocesseurs
Certificat de 1er cycle en santé et sécurité au travail
Certificat de 1er cycle en sciences et techniques de l'eau
Certificat de 1er cycle en télécommunications
Baccalauréat en biochimie (BSc)
Baccalauréat en biologie (BSc)
Baccalauréat en chimie (BSc)
Baccalauréat en géographie physique (BSc)
Baccalauréat en géologie (BSc)
Baccalauréat en informatique de gestion (BScA)
Baccalauréat en microélectronique (BSc)
Baccalauréat en physique (BSc)
Baccalauréat d'enseignement en sciences (BSc)
Diplôme de 2e cycle en météorologie
Maîtrise en biologie (MSc)
Maîtrise en chimie (MSc)
Maîtrise en informatique de gestion (MScA)
Maîtrise en sciences de la terre (MSc)
Doctorat en ressources minérales (PhD)

Études plurisectorielles

Certificat de 1er cycle en animation culturelle
Baccalauréat en animation culturelle (BA)
Diplôme de 2e cycle en études interdisciplinaires sur la mort

Conditions d'admission

Condition générale

Le candidat doit posséder une connaissance suffisante du français écrit et parlé.

1er cycle

Le candidat doit détenir un diplôme d'études collégiales (DEC) ou l'équivalent; ou être âgé d'au moins 22 ans et posséder des connaissances appropriées et une expérience pertinente. La base d'admission "Etudes universitaires" est considérée et définie dans certains programmes.

Les dossiers des candidats d'autres provinces sont évalués en comparaison avec les conditions d'admission exigées des candidats du Québec.

Ci-après sont décrites les conditions d'admission par province.

Alberta : Détenir le senior high school diploma (senior matriculation) et fournir la preuve d'avoir complété et réussi l'année d'études supérieures supplémentaire.

Colombie-Britannique : Détenir le senior high school diploma ou le senior secondary school statement et fournir la preuve d'avoir complété et réussi l'année d'études supérieures supplémentaire.

Ile-du-Prince-Édouard : Détenir le Grade 12 certificate et fournir la preuve d'avoir complété et réussi l'année d'études supérieures supplémentaire.

Manitoba : Détenir le statement of standing Grade 12, le high school diploma, le senior matriculation ou le Grade 12 certificate et fournir la preuve d'avoir complété et réussi l'année d'études supérieures supplémentaire.

Nouveau-Brunswick : Détenir le Grade 12 certificate ou le graduation certificate et fournir la preuve d'avoir complété et réussi l'année d'études supérieures supplémentaire.

Nouvelle-Écosse : Détenir le high school certificate (senior matriculation) et fournir la preuve d'avoir complété et réussi l'année d'études supérieures supplémentaire.

Ontario : Détenir le secondary school graduation diploma ou le secondary school honor graduation diploma et fournir dans les 2 cas la preuve d'avoir complété et réussi l'année d'études supérieures supplémentaire.

Saskatchewan : Détenir le statement of standing Grade 12 ou le successful completion of secondary school at the division IV level ou le senior matriculation et fournir la preuve d'avoir complété et réussi l'année d'études supérieures supplémentaire.

Terre-Neuve : Détenir le Matriculation Diploma et détenir la preuve d'avoir complété et réussi 2 années d'études supérieures supplémentaires ou détenir le Junior Division à la Memorial University ou le Grade 12 au Labrador City Collegiate et fournir la preuve d'avoir complété et réussi l'année d'études supérieures supplémentaire.

2e cycle

Le candidat doit détenir un baccalauréat ou l'équivalent; ou posséder des connaissances appropriées et une expérience jugée pertinente.

3e cycle

Le candidat doit détenir une maîtrise ou l'équivalent.

A ces conditions d'admission s'ajoutent parfois des conditions particulières propres à chaque programme.

Étudiants étrangers

Les dossiers de ces candidats sont évalués en comparaison avec les conditions d'admission exigées des candidats du Québec.

Les candidats qui ont complété avec succès un baccalauréat international, obtenu dans un collège, sont admissibles à l'Université du Québec à Montréal. Pour plus de détails concernant les exigences auxquelles doivent satisfaire les candidats étrangers, selon les programmes de formation qu'ils ont réussis, on peut consulter le "Guide pour étudiants non québécois", publié chaque année par l'Université du Québec.

Délais

1er cycle : Les demandes d'admission pour les études à temps complet doivent être reçues au plus tard le 1er mars pour la session d'automne et le 1er novembre pour la session d'hiver.

2e et 3e cycles : La période d'admission s'échelonne du 15 janvier au 1er mai pour la session d'automne et du 1er septembre au 1er novembre pour la session d'hiver.

Dates limites des inscriptions

Après son admission à l'université, l'étudiant sera convoqué à l'inscription (choix de cours). Les dates et modalités d'inscription apparaissent au calendrier universitaire, publié chaque année par l'Université du Québec à Montréal.

Année universitaire

A l'UQAM, l'enseignement se donne sur une base de 3 sessions par année : La session d'automne de septembre à décembre; la session d'hiver de janvier à avril; et la session d'été de mai à août.

Système de notation

A, excellent; B, très bien; C, bien; D, passable; E, échec; S, exigence satisfaite; H, hors programme; I, incomplet; K, exemption en raison d'équivalence; N, non crédité; R, reporté; X, abandon autorisé; P, cours d'appoint; L, échoué, repris et réussi. Pour fin de calcul de la moyenne cumulative, la valeur numérique accordée à chacune des lettres est la suivante: A, 4; B, 3; C, 2; D, 1; E, 0. Il n'y a pas de reprise d'examens.

Vie étudiante et services aux étudiants

A l'Université du Québec à Montréal, de nombreuses activités tant culturelles que de loisir sont offertes aux étudiants : Conférences, concerts, spectacles, expositions.

Pour faciliter l'accès à l'Université aux étudiants des régions périphériques de Montréal, l'UQAM offre des activités d'enseignement dans les locaux de ses centres d'études universitaires de Laval, St-Jérôme, UQAM - Montérégie et UQAM - Lanaudière.

De plus, à l'UQAM, l'étudiant peut se prévaloir des services de l'ombudsman. Il a également accès aux services de la planification d'études et de carrières, de placement, d'accueil aux étudiants étrangers, d'hébergement, d'intégration des personnes handicapées, de l'aide financière, de l'animation sportive, des bibliothèques, de la Fondation de l'UQAM, du bureau des diplômés, de l'audio-visuel, de l'informatique et de la formation externe et des stages.

Recherche

Centres et laboratoires de recherche

Les centres et laboratoires de recherche sont constitués d'équipes multidisciplinaires de professeurs réunis autour d'une activité de recherche ou de création dans un domaine donné. Les étudiants inscrits à la maîtrise et au doctorat participent également aux travaux qui se poursuivent dans ces unités.

Centre d'analyse de textes par ordinateur (ATO). Directeur : Jules Duchastel, PhD

Centre de géochimie isotopique et de géochronologie (GEOTOP). Directeur intérimaire : Clément Gariépy, PhD

Centre de recherche en gestion (CRG). Directeur : Pierre Filiatrault, BScA(ing), MBA, PhD

Centre de recherche sur les politiques économiques (CERPE). Directeur : Pierre Fortin, PhD

Centre d'études des interactions biologiques entre la santé et l'environnement (CINBIOSE). Directeur : Karen Messing, PhD

Centre interdisciplinaire de recherche sur l'apprentissage et le développement en éducation (CIRADE). Directeur : Nadine Descamps-Bednarz, DEA, doctorat en mathématiques pures

Laboratoire de combinatoire et d'informatique mathématique (LACIM). Directeur : Pierre Leroux, PhD

Laboratoire de neuroscience de la cognition (LNC). Directeur : François Richer, PhD

Laboratoire de recherche en écologie humaine et sociale (LAREHS). Directeur intérimaire : Michel Tousignant, MA, PhD

Laboratoire de recherche en toxicologie de l'environnement (TOXEN). Directeur : Gaston Chevalier, doctorat Sc

Regroupements de chercheurs

Les regroupements de chercheurs sont des unités mises sur pied pour favoriser la création de masses critiques. Composés d'un minimum de 5 chercheurs, ils visent à développer à moyen terme de nouveaux centres et laboratoires de recherche.

Artscène. Iro Tembeck, MA

Centre de recherche en développement industriel et technologique (CREDIT). Jorge Niosi, PhD

Centre de recherche en évaluation sociale des technologies (CREST). Bernard Schiele, PhD

Centre de recherches féministes (CRF). Francine Descarries, PhD

Groupe de géologie de terrain (GEOTERAP). Gilbert Prichonnet, PhD

Groupe de recherche en écologie forestière (GREF). Yves Bergeron, PhD

Groupe de recherche en enzymologie fondamentale et appliquée (GREFA). Guy Fortier, PhD

Groupe de recherche informatique et droit (GRID). Pierre Mackay, LLL, LLM

Groupes structurés interuniversitaires

Centre de recherche informatique de Montréal (CRIM). Président directeur : Pierre Coulombe, PhD, UQAM : André Trudel

Centre international de recherche et formation en gestion des grands projets. (Centre GP). Directeur : Bernard St-Onge, ing., UQAM : Pierre Ménard

Centre interuniversitaire en toxicologie de l'environnement (CIRTOX). Directeur : Gabriel Plaa, PhD, UQAM : Gaston Chevalier

Centre multirégional de recherche en foresterie (CMRF). Directeur : Gilles Frisque, PhD, UQAM : Yves Bergeron

Groupe interuniversitaire de recherche en anthropologie médicale et en ethnopsychiatrie (GIRAME). Directeur : Gilles Bibeau, PhD, UQAM : Henri Dorvil

Groupe multirégional de recherche sur les applications pédagogiques de l'ordinateur (GMRAPO). Directeur : Colette Fauconneau-Dubuisson, PhD

Groupe de recherche en transformations sociales et économiques (GRETSE). Directeur : Gérard Boismenu, PhD, U. de Mtl, UQAM : Lizette Jalbert

Regroupement interuniversitaire pour l'étude de la religion (RIER). Directeur : Louis Rousseau, PhD

Chaires de recherche

Chaire de coopération Guy Bernier. Directeur : Mauro Malservisi, MA

Chaire SEAGRAM en gestion des organismes sans but lucratif. Directeur : Charles Hoang, doctorat en ScÉconomique

Chaire en marketing John-Labatt. Directeur : Jean-Charles Chebat, MBA, PhD

Chaire de recherche en environnement Hydro-Québec/CRSNG/UQAM. Directeur : Claude Hillaire-Marcel, doctorat ScNaturelles

Chaire Hydro-Québec de recherche en gestion de la technologie. Directeur : Roger Miller, MBA, doctorat ScÉconomique

Université du Québec à Rimouski*

Renseignements généraux

Adresse : 300, avenue des Ursulines,
Rimouski (Québec) G5L 3A1
Téléphone : (418) 724-1432
Télécopieur : (418) 724-1525

Recteur : Marc-André Dionne, MBA

Demandes de renseignements : Prière d'adresser la correspondance d'ordre général au registraire, Jean-Denis Desrosiers, MèsSc

Agent de liaison cégep : Réjean Martin

Inscriptions (1988-1989) ;

1er cycle à plein temps :	1 277
1er cycle à temps partiel :	4 378
2e et 3e cycles à plein temps :	103
2e et 3e cycles à temps partiel :	163

Professeurs à plein temps (1988-1989) :152

Historique et statuts

C'est dans le cadre de la loi de l'Université du Québec adoptée le 18 décembre 1968 que l'Université du Québec à Rimouski a été créée le 17 avril 1973. Cet établissement succédait au Centre d'études universitaires de Rimouski créé le 8 septembre 1969 dans le cadre de la même loi.

L'Université du Québec à Rimouski est un établissement d'enseignement public, mixte et non confessionnel et fait partie du réseau de l'Université du Québec.

Desservant la région de Lévis jusqu'aux Iles-de-la-Madeleine ainsi que la Côte-Nord, l'Université du Québec à Rimouski se définit comme un établissement à vocation générale.

L'océanographie est un des principaux axes de recherche et d'études supérieures que l'Université du Québec à Rimouski développe de concert avec l'Institut national de la recherche scientifique. Pour sa part, le groupe d'étude des ressources maritimes (GERMA) s'intéresse à l'économie et à la gestion des produits de la mer.

L'UQAR développe par ailleurs un autre axe de recherche multidisciplinaire en études et interventions régionales. Les principales manifestations en sont les travaux du groupe de recherche interdisciplinaire de développement de l'Est du Québec (GRIDEQ) et la maîtrise en développement régional. La maîtrise en éthique, la maîtrise en éducation et la maîtrise en études littéraires complètent le panorama des études supérieures.

L'Université du Québec à Rimouski a réalisé l'intégration de l'enseignement à temps partiel à l'enseignement régulier et ouvert 6 bureaux régionaux au service des étudiants. Elle multiplie les efforts pour accentuer la décentralisation de son enseignement, en particulier par le renouvellement des formules pédagogiques et le développement des communications.

* Membre ordinaire de l'AUCC

Mandat international

Le doyen des études avancées et de la recherche a également sous sa responsabilité le bureau de la coopération internationale de l'UQAR. Ce bureau sert d'intermédiaire entre le personnel et les administrateurs de l'université et les intervenants de l'extérieur et ce pour toutes les activités de coopération internationale. L'université participe à différentes activités de coopération et elle est directement impliquée dans différents projets institutionnels de coopération internationale. Les principaux champs d'études où l'université est active au niveau international sont : gestion et économie des ressources maritimes, océanographie, développement régional et administration. L'université accueille également des étudiants originaires de 25 pays différents. S'adresser à : M. Pierre Couture, doyen des études avancées et de la recherche. Téléphone : (418) 724-1540 ou (418) 724-1717.

Bibliothèque

La bibliothèque renferme plus de 82 000 monographies et près de 8 000 périodiques; professeurs et étudiants ont accès, via un système informatisé de repérage, au catalogue renfermant les informations sur les volumes, revues et collections dans toutes les bibliothèques du réseau et de l'Université du Québec à Rimouski. En outre, les services informatiques utilisent les équipements HP 3000 ainsi qu'un HP 9000. Ces équipements constituent un réseau informatique de communications.

Programmes et grades

Vous trouverez des renseignements sur le temps et le nombre de crédits normalement requis pour terminer les programmes indiqués, au chapitre concernant l'Université du Québec, **à l'article traitant des programmes et des grades.**

Administration des affaires

Certificat de 1er cycle en administration.
Certificat de 1er cycle en gestion des ressources humaines.
Certificat de 1er cycle en gestion informatisée.
Baccalauréat en administration (BAA)
Maîtrise en gestion de projets (MSc)
Maîtrise en gestion des ressources maritimes (MSc)

Biologie

Baccalauréat en biologie (BSc)

Éducation

Certificat de 1er cycle en andragogie.
Certificat de 1er cycle en application pédagogique de l'ordinateur.

Certificat de 1er cycle en enseignement des mathématiques au primaire.
Certificat de 1er cycle en enseignement d'une langue seconde.
Certificat de 1er cycle en pédagogie des langages artistiques.
Certificat de 1er cycle en sciences de l'éducation.
Baccalauréat d'éducation au préscolaire et enseignement au primaire (BEd)
Baccalauréat d'enseignement en adaptation scolaire et sociale (BEd)
Baccalauréat d'enseignement en administration (BAA)
Baccalauréat d'enseignement en français au secondaire (BAA)
Baccalauréat d'enseignement en sciences (BSc)
Baccalauréat d'enseignement en sciences sociales (BA)
Baccalauréat d'enseignement professionnel (BEd)
Maîtrise en éducation (MEd)
Doctorat en éducation (PhD)

Études plurisectorielles
Certificat de 1er cycle en santé et sécurité du travail.

Informatique
Certificat de 1er cycle en informatique.

Langues et lettres
Certificat de 1er cycle en français écrit.
Baccalauréat en études littéraires (BA)
Maîtrise en éthique (MA)
Maîtrise en études littéraires (MA)

Mathématiques
Baccalauréat en mathématiques-informatique (BSc)

Philosophie et sciences religieuses
Certificat de 1er cycle en animation pastorale.
Certificat de 1er cycle en éducation morale.
Certificat de 1er cycle en philosophie.
Certificat de 1er cycle en sciences religieuses.

Services publics et communautaires
Certificat de 1er cycle en animation des petits groupes.

Sciences infirmières
Certificat de 1er cycle en nursing communautaire.
Certificat de 1er cycle en santé communautaire.
Baccalauréat en sciences infirmières (BSc)

Sciences physiques
Baccalauréat en chimie (BSc)
Diplôme de 2e cycle en affaires maritimes.
Maîtrise en océanographie (MSc)
Doctorat en océanographie (PhD)

Sciences sociales
Baccalauréat en géographie (BSc)
Baccalauréat en histoire (BA)
Baccalauréat en sociologie (BA)
Maîtrise en développement régional (MA)

Théologie
Baccalauréat en théologie (BTh)

Vie étudiante et services aux étudiants

Un ensemble de moyens, d'opérations, d'activités a été mis en place pour répondre à certains besoins des étudiants non satisfaits par les cours ou d'autres unités administratives. L'étudiant peut avoir accès à plusieurs services tels que ceux du logement, de la pastorale, du placement, des activités physiques et sportives, des activités socioculturelles et de l'informatique.

Participation étudiante
La participation des étudiants est prévue à divers niveaux, non seulement à celui des instances supérieures de l'Université du Québec (assemblée des gouverneurs, conseil des études) et de l'Université du Québec à Rimouski (conseil d'administration, commission des études), mais aussi au niveau de chaque programme (conseil de module, comité de programme). Il y a aussi diverses associations étudiantes dont l'association générale des étudiants de l'Université du Québec à Rimouski (AGEUQAR).

Recherche

Groupe de recherche interdisciplinaire en développement de l'Est du Québec (CRIDEQ).

Groupe d'études des ressources maritimes (GERMA).

Groupe de recherche en océanographie (GROC).

Groupe de recherche ETHOS.

Université du Québec - École de technologie supérieure*

Renseignements généraux

Adresse : 4750, rue Henri-Julien,
Montréal (Québec) H2T 3B1
Téléphone : (514) 289-8888
Télécopieur : (514) 289-8950

Directeur général : Robert L. Papineau, PhD

Demandes de renseignements : Prière d'adresser la correspondance d'ordre général au registraire, André Bourdeau, BIng

Agent de liaison cégep : Suzanne Harrisson

Inscriptions (1987-1988) ;
1er cycle à plein temps : 723
1er cycle à temps partiel : 878

Professeurs à plein temps (1988-1989) :35

Historique et statuts

Créée en mars 1974, l'École de technologie supérieure est une institution universitaire faisant partie du réseau de l'Université du Québec et dont les objectifs sont d'assurer, en liaison avec l'industrie, l'enseignement supérieur et la recherche en technologie.

Dès 1974, le programme de baccalauréat en technologie de la construction civile est venu s'ajouter et en 1983 celui en technologie de la production automatisée. Au cours de l'année 1985, une révision en profondeur des programmes de baccalauréat a été entreprise afin de tenir compte de l'évolution rapide de la technologie. Dans le cadre de cette révision, le nombre total de crédits a été porté de 72 à 90; ces programmes modifiés ont été implantés en septembre 1986.

Parallèlement aux programmes de baccalauréat, l'école a implanté au cours des ans plusieurs programmes de certificat en technologie, à savoir, les certificats en assurance de la qualité, en gestion de la construction, en méthodes et pratiques de la construction, en technologie du soudage, en micro-informatique appliquée, en télécommunications et en production industrielle.

Par ailleurs, suite à de nombreuses demandes, l'école décidait, à l'hiver 1985, d'offrir par extension ses programmes dans la région de Québec; elle y dispense les programmes de baccalauréat en technologie de l'électricité, de la mécanique et de la production automatisée.

Établissement universitaire à vocation spécialisée, l'École de technologie supérieure est dirigée par son propre conseil d'administration et sa propre commission des études, l'école voit au développement et à l'orientation des programmes de formation, en conformité avec les objectifs initiaux qui lui ont été fixés et en réponse aux besoins du milieu industriel québécois.

L'école se distingue par un ensemble de caractéristiques qui font d'elle une véritable université technologique, ainsi : l'école est la seule institution au Québec à offrir des programmes universitaires de baccalauréat en technologie qui répondent à des objectifs de formation de cadres techniques pour le secteur industriel et technologique. L'école est également la seule institution universitaire à dispenser des programmes de 1er cycle adaptés aux caractéristiques des techniciens diplômés du cégep professionnel. Ces programmes tiennent compte de leur formation collégiale technique et s'appuient sur cette dernière pour la compléter, l'élargir et l'approfondir. L'école a une dimension provinciale quant à la clientèle qu'elle recrute, en ce sens, elle s'adresse à la clientèle du collégial professionnel répartie sur l'ensemble du territoire québécois, et quant aux régions et aux secteurs industriels où ses diplômés sont appelés à travailler. L'école a mis sur pied un système coopératif dont les activités en milieu de travail sont créditées dans les programmes de formation. L'école compte sur une participation, inédite au Québec, du milieu industriel et technologique à sa direction et à son fonctionnement. Cette participation a été jusqu'ici déterminante quant aux orientations et au développement de l'école, en réponse à la mission générale qui lui a été conférée dans ses lettres patentes. L'école dispense également des activités d'enseignement dans la région de Québec. L'école est un établissement d'enseignement public, mixte et non confessionnel.

Mandat international

L'École de technologie supérieure accueille des visiteurs et stagiaires africains et français, échange de l'information avec des établissements à l'étranger, et envoie des missions de cadres et de professeurs. Un projet de coopération avec une université française vient de démarrer, et une entente de jumelage avec un établissement africain est en cours de discussion. L'école prévoit l'élargissement de ces initiatives, surtout sous la forme de divers types de programmes de formation, d'enseignement coopératif et de recherche collaborative. S'adresser à : Marcel E. Hébert, Adjoint au directeur général. Téléphone : (514) 289-8810.

Bibliothèque

L'école possède une bibliothèque renfermant plus de 10 800 monographies et 380 périodiques. En outre, elle utilise les équipements informatiques IBM-4361.

Programmes et grades

Vous trouverez des renseignements sur le temps et le nombre de crédits normalement requis pour terminer les programmes indiqués, au chapitre concernant l'Université du Québec, **à l'article traitant des programmes et des grades.**

* Membre provisoire de l'AUCC

Génie
Certificat de 1er cycle en production assistée par ordinateur.
Certificat de 1er cycle en production industrielle.
Certificat de 1er cycle en télécommunications.
Baccalauréat en génie de la production automatisée (BIng)
Baccalauréat en génie électrique (BIng)
Baccalauréat en génie et gestion de la construction (BIng)
Baccalauréat en génie mécanique (BIng)

Vie étudiante et services aux étudiants

Sous la responsabilité du secrétaire général, le service des affaires étudiantes s'occupe de la vie étudiante, des services sportifs, récréatifs et culturels.

Puisque l'école est située au centre-ville de Montréal, les étudiants sont invités à se prévaloir dans toute la mesure du possible d'un grand nombre de services disponibles dans l'environnement immédiat. En particulier, les étudiants peuvent profiter de l'organisation des services de sports, de santé, de logement ainsi que de diverses activités socioculturelles mises en place par l'Université du Québec à Montréal, en vertu d'un protocole d'entente avec cette institution.

L'école maintient également la publication du bulletin d'information interne "Le Fouineur" à l'intention des étudiants ainsi que du journal "Echo-Tech" à l'intention de son personnel, des étudiants et des diplômés.

Enfin, elle aide les étudiants, via leur association, à mettre sur pied certains services en réponse à leurs propres besoins.

Participation étudiante
La participation des étudiants est prévue à divers niveaux, non seulement à celui des instances supérieures de l'Université du Québec (assemblée des gouverneurs, conseil des études) et de l'École de technologie supérieure (conseil d'administration, commission des études), mais aussi au niveau de chaque programme (comité de programme). L'École de technologie supérieure a une association générale des étudiants (AGEETS).

Université du Québec à Trois-Rivières*

Renseignements généraux

Adresse : 3351, boulevard des Forges, Case postale 500, Trois-Rivières (Québec) G9A 5H7
Téléphone : (819) 376-5454
Télécopieur : (819) 376-5012

Recteur : Jacques R. Parent, MScA, DSc

Demandes de renseignements : Prière d'adresser la correspondance d'ordre général au registraire, Henri-Paul McGee, BPéd, LScAdm

Agent de liaison cégep : Suzanne Camirand

Inscriptions (1988-1989) ;

1er cycle à plein temps :	4 511
1er cycle à temps partiel :	5 174
2e et 3e cycles à plein temps :	196
2e et 3e cycles à temps partiel :	444

Professeurs à plein temps (1988-1989) :312

Historique et statuts

C'est dans le cadre de la loi de l'Université du Québec, adoptée le 18 décembre 1968, que l'Université du Québec à Trois-Rivières a été créée le 19 mars 1969. L'Université du Québec à Trois-Rivières est un établissement d'enseignement public, mixte et non confessionnel et fait partie du réseau de l'Université du Québec.

En plus du Trois-Rivières métropolitain, la région que dessert l'Université du Québec à Trois-Rivières s'étend le long d'un axe marqué par les centres urbains de Shawinigan, de Sorel, de Joliette et de Québec sur la rive nord et de Victoriaville, de Drummondville à St-Hyacinthe sur la rive sud.

L'Université du Québec à Trois-Rivières a retenu 5 grands axes autour desquels s'articule le développement de ses programmes d'études et de recherche. Ce sont : le comportement et l'organisation, le loisir et les sports, l'industrie et le travail, la bio-physico-chimie, les études québécoises.

Terrains et bâtiments

L'Université du Québec à Trois-Rivières occupe un vaste campus de 586 687 m carrés au carrefour des grandes voies d'accès de Trois-Rivières. Des 13 pavillons dont dispose l'Université, 10 sont particulièrement affectés à l'enseignement, à la recherche et à la vie étudiante. Deux de ces pavillons sont situés hors campus. Il s'agit du pavillon des sports attenant au colisée de Trois-Rivières et le pavillon Robert-Lionel-Seguin. Les pavillons Ringuet, Michel-Sarrazin, Léon-Provancher, Benjamin-Sulte et Robert-Lionel-Seguin regroupent la majorité des salles de cours et des bureaux de professeurs tandis que l'administration occupe une partie du pavillon Pierre-Boucher, l'autre partie étant réservée à quelques laboratoires d'enseignement et de recherche.

Dans le pavillon Albert-Tessier se retrouvent les services de la bibliothèque, de l'informatique, de l'audio-visuel, de l'imprimerie, les services aux étudiants, le hall, l'amphithéâtre et la cafétéria. L'ensemble des pavillons de l'Université du Québec à Trois-Rivières ont entraîné, à leur construction, une immobilisation de 23 000 000 $.

Bibliothèque

La bibliothèque renferme près de 280 000 monographies et plus de 14 000 périodiques; professeurs et étudiants ont accès, via un système informatisé de repérage, au catalogue renfermant les informations sur les volumes, revues et collections dans toutes les bibliothèques du réseau et de l'Université du Québec à Trois-Rivières. En outre, les services informatiques utilisent un VAX-750; deux MICROVAX II; douze SUN 3/150; trois CYBER 830D, CYBER 910 (CAO/FAO), CYBER 930 (CAO/FAO) et un IBM 9375-60. L'ensemble de ces équipements constitue un réseau informatique de communication.

Programmes et grades

Vous trouverez des renseignements sur le temps et le nombre de crédits normalement requis pour terminer les programmes indiqués, au chapitre concernant l'Université du Québec, **à l'article traitant des programmes et des grades.**

Administration des affaires

Certificat de 1er cycle en administration.
Certificat de 1er cycle en gestion des ressources humaines.
Certificat de 1er cycle en sciences comptables.
Baccalauréat en administration (BAA)
Baccalauréat en recherche opérationnelle (BAA)
Baccalauréat en science comptables (BAA)
Maîtrise en économie et gestion des systèmes de petites et moyennes dimensions (MSc)
Maîtrise en gestion de projet (MSc)

Beaux-arts et arts appliqués

Certificat de 1er cycle en arts plastiques
Baccalauréat en arts plastiques (BA)
Baccalauréat en éducation musicale (BMus)

Biologie

Certificat de 1er cycle en biologie médicale.
Baccalauréat en biochimie (BSc)
Baccalauréat en biologie (BSc)
Baccalauréat en biologie médicale (BSc)
Baccalauréat en biophysique (BSc)
Maîtrise en biophysique (MSc)
Maîtrise en sciences des pâtes et papiers (MScA)
Doctorat en biophysique (PhD)

* Membre ordinaire de l'AUCC

Éducation
Certificat de 1er cycle en application pédagogique de l'ordinateur.
Certificat de 1er cycle en enseignement du français au primaire.
Certificat de 1er cycle en sciences de l'éducation.
Baccalauréat d'éducation au préscolaire et enseignement au primaire (BEd)
Baccalauréat d'enseignement en adaptation scolaire (BEd)
Baccalauréat d'enseignement en administration (BAA)
Baccalauréat d'enseignement en sciences (BSc)
Baccalauréat d'enseignement en sciences sociales (BA)
Diplôme de 2e cycle en éducation spécialisée.
Maîtrise en éducation (MEd)
Maîtrise en éducation (MA)
Maîtrise en éducation spécialisée (MEd)
Doctorat en éducation spécialisée (PhD)

Éducation physique
Baccalauréat en récréologie (BA)
Baccalauréat en sciences de l'activité physique (BSc)
Diplôme de 2e cycle en intervention en éducation physique.
Maîtrise en sciences de l'activité physique (MSc)
Maîtrise en sciences du loisir (MA)

Études plurisectorielles
Certificat de 1er cycle en santé et sécurité au travail.
Certificat de 1er cycle en sciences de l'environnement.
Maîtrise en sécurité et hygiène industrielles (MScA)
Maîtrise en sciences de l'environnement (MSc)

Génie
Baccalauréat en génie chimique (BIng)
Baccalauréat en génie électrique (BIng)
Baccalauréat en génie industriel (BIng)
Baccalauréat en génie mécanique manufacturier (BIng)
Baccalauréat en génie papetier (BIng)

Informatique
Certificat de 1er cycle en informatique.
Certificat de 1er cycle en informatique de gestion.
Baccalauréat en informatique (BSc)

Langues et lettres
Certificat de 1er cycle en anglais fonctionnel.
Certificat de 1er cycle en français pour non-francophones.
Certificat de 1er cycle en recherche et rédaction.
Certificat de 1er cycle en traduction.
Baccalauréat en études françaises (BA)
Baccalauréat en traduction (BA)
Maîtrise en études littéraires (MA)
Maîtrise en études québécoises (MA)
Doctorat en études québécoises (PhD)

Mathématiques
Baccalauréat en mathématiques (BSc)

Philosophie et sciences religieuses
Certificat de 1er cycle en sciences religieuses et pastorale.
Baccalauréat en philosophie (BA)
Maîtrise en philosophie (MA)
Doctorat en philosophie (PhD)

Psychologie
Certificat de 1er cycle en enfance inadaptée.
Certificat de 1er cycle en psychologie.
Baccalauréat en psycho-éducation (BEd)
Baccalauréat en psychologie (BA)
Maîtrise en psychologie (MA)
Doctorat en psychologie (PhD)

Services publics et communautaires
Certificat de 1er cycle en animation des groupes restreints.
Certificat de 1er cycle en gérontologie.
Certificat de 1er cycle en gestion policière.
Baccalauréat en génagogie (BA)

Sciences infirmières
Certificat de 1er cycle en nursing communautaire.
Baccalauréat en sciences infirmières (BSc)

Sciences physiques
Baccalauréat en chimie (BSc)
Baccalauréat en physique (BSc)
Maîtrise en chimie (MSc)
Maîtrise en électronique industrielle (MScA)
Maîtrise en physique (MSc)
Doctorat en sciences de l'énergie (PhD)

Sciences sociales
Certificat de 1er cycle en interprétation et animation du patrimoine.
Baccalauréat en économique (BSc)
Baccalauréat en géographie (BSc)
Baccalauréat en histoire (BA)

Théologie
Baccalauréat en théologie (BTh)
Maîtrise en théologie (MA)
Maîtrise en théologie (MTh)

Vie étudiante et services aux étudiants

Un ensemble de services sont destinés à répondre aux besoins individuels de l'étudiant dans le domaine de l'aide financière, du logement, du counselling, de la santé, du placement, des activités sociales, de l'activité physique et sportive, des affaires juridiques et de l'informatique.

Participation étudiante
La participation des étudiants est prévue à divers niveaux, non seulement à celui des instances supérieures de l'Université du Québec (assemblée des gouverneurs, conseil des études) et de l'Université du Québec à Trois-Rivières (conseil d'administration, commission des études), mais aussi au niveau de chaque programme (conseil de module, comité de programme). Il y a aussi diverses associations étudiantes dont l'association générale des étudiants de l'Université du Québec à Trois-Rivières (AGEUQTR).

Recherche

Centre de recherche en études québécoises. Directeur : Normand Séguin, PhD

Centre de recherche en pâtes et papiers. Directeur : H.-C. Lavallée, DèsSc

Centre de recherche en photobiophysique. Directeur : R. Leblanc, DSc

Groupe de recherche en biotechnologie des membranes. Directeur : C. Gicquaud, PhD

Groupe de recherche en développement de l'enfant. Directrice : Ercillia Palacio, DPsychol

Groupe de recherche en diélectrique. Directeur : T.K. Bose, DSc

Groupe de recherche en économie et gestion des petites et moyennes organisations et de leur environnement. Directeur : P.A. Julien, DSc(économ.)

Groupe de recherche en électronique industrielle. Directeur : Y.-L. Dion, Dr.

Groupe de recherche en neuropsychologie expérimentale. Directeur : M. Miceli, D3ecycle

Groupe de recherche en philosophie analytique.

Groupe de recherche sur les insectes piqueurs. Responsable : J. Boisvert, PhD

Laboratoire de recherche sur les communautés aquatiques. Responsable : R. Couture, DSc

Queen's University at Kingston*

General Information

Address: Kingston, Ontario K7L 3N6
Telephone: (613) 545-2000
Telex: Dial New York City (00) 961000, User code: ALE 6741

Principal and Vice-chancellor: David C. Smith, BA, MA, PhD

Inquiries: Direct general correspondence to the registrar, Alison Morgan, BCom, MA

Senior high school liaison officer: Catherine McNamara

Full-time faculty (1989-90): 1,016

History and Governance

Queen's College was founded by the Presbyterian Church of Canada in connection with the Church of Scotland primarily to provide educational opportunity for the youth of a growing economy and for a ministry trained within the country. Queen Victoria issued a Royal Charter to "Queen's College at Kingston" in 1841. The first session opened in the spring of 1842 and the first degrees were awarded in 1847. The only denominational requirement was that the principal be a Presbyterian minister and that trustees and staff subscribe to the Westminster Confession of Faith. Gradually, by successive acts of parliament, the denominational requirements were eliminated. The faculty of theology became Queen's Theological College and the original Queen's College at Kingston became Queen's University at Kingston.

Queen's is a non-denominational and co-educational institution. The government of the university is vested in a board of trustees, a university council, a senate and faculty boards.

International Mandate

The office of international programs seeks to enhance the international dimension of the university, encourages faculty and staff to participate in international projects, provides liaison with international agencies, and advises and assists the preparation of international development project proposals. The office also helps establish and administer co-operative programs and linkages, and assists international visitors and scholars. Queen's participates in research, development and institutional co-operation projects in various countries around the world, and maintains linkage arrangements with several universities. Contact: Dr. A.R. Eastham, director, office of international programs. Telephone: (613) 545-6081.

Buildings and Grounds

Queen's University is located at Kingston, one of Canada's oldest cities (population 66,000). The main campus covers an area of 10 city blocks and includes over 60 buildings. A large new medical sciences building is completed as part of a health sciences complex in which Queen's is a partner with community hospitals and St. Lawrence College of Applied Arts and Technology. The university has a full range of laboratory facilities including several areas devoted to major research projects. An experimental station is located 50 miles from Kingston and provides special opportunity for research in land and water biology.

Other facilities include a large arena-gymnasium complex, an art centre with teaching and research facilities for art conservation, a computing centre, an AM-FM radio station, a fully equipped small theatre and a comprehensive university centre containing a bookstore, a bank and other commercial facilities. A second campus, 10 minutes west of the main campus, is the site of the faculty of education and additional residential accommodation for students.

Libraries

The university library system includes the Douglas Library, a central unit which serves the social sciences and humanities and also contains special services, technical processing departments and administrative offices. There are major libraries for law, education and health sciences, and a documents library. Fourteen smaller branch libraries containing working collections close to laboratories and classrooms serve the needs of departments of fine arts, sciences and applied sciences. The library system contains approximately 5,000,000 items.

Programs and Degrees

Bachelor's degrees require 4 years of study (20 courses) from senior matriculation unless otherwise stated. Master's degrees normally require 1 year from honors bachelor's degree unless otherwise specified. Doctoral degrees require 2 years of study from a master's degree unless otherwise specified.

One full course normally requires 3 lecture hours per week for 2 terms.

For detailed information on programs, see **Degree, diploma, and certificate programs** chapter.

Applied science

Bachelor of science (BSc)
Master of science [MSc(Eng)] Normally 12 to 24 months following BSc.
Doctor of philosophy (PhD) Normally 24 to 36 months following MSc.

Arts

Bachelor of arts (BA) 3 years from senior matriculation.
Bachelor of arts (honors) [BA(Honors)]
Bachelor of arts/Bachelor of physical and health education (BA/BPHE)

* Ordinary member, AUCC

Bachelor of fine art (BFA)
Bachelor of music (BMus)
The faculty of arts and science and the faculty of education offer a concurrent program which allows students to complete the bachelor of education plus a degree program in the faculty of arts and science simultaneously; 4 or 5 years from senior matriculation depending on the degree program followed in the faculty of arts and science.
Licentiate diploma in music (LMus) 2 years from senior matriculation.
Master of arts (MA) Normally 1 year from BA (Honors) with at least second class standing.
Master of art conservation (MAC) Normally 1 year from BA(Honors) with at least second class standing.
Master of industrial relations (MIR) Normally 1 year from BA(Honors) with at least second class standing.
Master of public administration (MPA) A university degree and substantial administrative experience or graduation with above average standing in arts, law or commerce.
Master of urban and regional planning (MPL) 2 year program presenting basic concepts of regional planning and development through seminars, workshops and individual research.
Doctor of philosophy (PhD)

Business

Bachelor of commerce (BCom)
Diploma in business administration. One year from bachelor's degree in arts, science or engineering.
Master of business administration (MBA) 2 years from bachelor's degree in arts, science or engineering.
Doctor of philosophy (PhD)

Divinity (Queen's Theological College)

Bachelor of theology (BTh) 4 years from acceptance as a mature student.
Master of divinity (MDiv) 3 years from BA.
Master of theology (ThM) Minimum of 1 year from MDiv.
Master of theological studies (MTS) 2 or 3 years from BA.

Education

Bachelor of education (BEd) 1 year of study after an approved bachelor's degree. Leads as well to Ontario teacher certification.
Diploma in technical education. One year after at least Ontario Grade 12 or equivalent and acceptable work experience. Leads as well to Ontario teacher certification for technical or occupational departments in secondary schools.
The faculty of arts and science and the faculty of education offer a concurrent program which allows students to complete the bachelor of education plus a degree program in the faculty of arts and science simultaneously; 4 or 5 years from senior matriculation depending on the degree program followed in the faculty of arts and science.
Master of education (MEd) Full-time or part-time program after honors degree and BEd (or equivalent) and 2 years of teaching. Also available after general degree and BEd (or equivalent) and 4 years of teaching. Special admission requirements allow a limited number of students, who hold an honors degree with high academic achievement, to be admitted to a full-time thesis program (no teaching experience required).

Law

Bachelor of laws (LLB) 3 years of study usually following the completion of a degree program. In some instances students with high standing are admitted after completing 2 or 3 years of a university program. In addition, there is a special admissions program under which consideration is given to mature and other special students with somewhat different academic backgrounds.
Master of laws (LLM) 1 year full-time program. A limited number of part-time students may also be admitted. Admission restricted to 15 students. The minimum admission requirement is generally a university law degree with high standing.

Medicine

Doctor of medicine (MD) 2 full years of university work beyond senior matriculation plus 4 years of medicine followed by 1 year internship.
Master of science (MSc)
Doctor of philosophy (PhD) in sciences basic to medicine.

Nursing

Bachelor of nursing science (BNSc)

Physical education

Bachelor of arts (BA)/Bachelor of physical and health education (BPHE) The faculty of arts and science and the school of physical and health education offer a concurrent program which allows students to complete a bachelor of arts and a bachelor of physical and health education simultaneously over 4 years of study.

Rehabilitation therapy

Bachelor of science (BSc) 2 programs available. One specializes in occupational therapy and the other in physical therapy.

Science

Bachelor of arts (BA) 3 years from senior matriculation.
Bachelor of science (honors) [BSc(Hons)]
The faculty of arts and science and the faculty of education offer a concurrent program which allows students to complete the degree of bachelor of education plus a degree program in the faculty of arts and science simultaneously; 4 or 5 years from senior matriculation depending on the degree program followed in the faculty of arts and science.
Master of science (MSc) Normally 1 year from BSc(Honors) with at least second class standing.
Doctor of philosophy (PhD)

Continuing education

Part-time studies program: Students may complete program leading to BA with minor concentration through spring term, summer term, and correspondence and

night courses. Full degree programs leading to the honors BA or honors BSc are not offered.

Correspondence courses: Offered in the fall-winter session.

Night classes: Offered during fall-winter session at the main campus and at Belleville and Brockville.

Spring term (May to June), spring-summer evening session (May to July) and summer term (July to August) offer courses primarily in the humanities and social sciences at Kingston.

Summer programs: Offered also in Venice and Bermuda

Admission Requirements

Undergraduate

Ontario: Secondary school students who successfully complete the requirements for the Ontario secondary school diploma, including 6 Ontario academic courses or 6 Grade 13 credits or a combination of both adding up to 6 credits with an overall average of 60% or better, may be considered for admission.

Applicants who achieve high standing in a 2-year diploma program at a polytechnical institute or a college of applied arts and technology are eligible for consideration for admission to an appropriate first-year program. Applicants are considered on an individual basis.

Applicants who achieve high standing in a 3-year diploma program at a polytechnical institute or a college of applied arts and technology are eligible for consideration for admission with advanced standing to an appropriate program. Applicants are considered on an individual basis.

Other provinces: Applicants may offer secondary school graduation (Grade 12) from Alberta, British Columbia, Manitoba, New Brunswick, Newfoundland, Nova Scotia, Prince Edward Island, or Saskatchewan. Quebec applicants must offer 1 academic year beyond secondary 5 (first-year CEGEP, or Grade 12 in a private school).

Note: Many of the programs and courses offered at Queen's have prerequisite secondary school (or equivalent) subjects. Details can be found in "Your Future at Queen's", obtainable from the admissions office.

International students

Students from outside Canada may be required to take the scholastic aptitude tests and at least 1 achievement test administered by the admissions testing program of the College Entrance Examination Board, Box 592, Princeton, New Jersey, 08541, USA.

United Kingdom: GCE in 7 subjects with at least 2 at A-level and a minimum grade of C in each subject.

USA: Minimum requirement of Grade 12 academic graduation with high standing. Scholastic aptitude and achievement tests of the college entrance examination board, rank in class, and an official profile of school are also required.

Other: Candidates who have achieved university admission level with high standing for universities in their own countries may be considered for admission. Specific requirements for these applicants cannot be established on a general basis.

Mature students

Candidates must be at least 21 years of age, out of school for 3 years and unable to meet normal admission requirements. Before formal admission is granted, the applicant must either pass 1 degree credit course in arts or science at Queen's with a minimum of 60% or obtain grade of 50% to 59% on this course and complete a second course with a minimum average of 60% on the 2 courses. These courses may be taken intramurally, extramurally or by correspondence. They count for degree credit on admission.

Mature students who intend to enter full-time studies must complete at least 3 courses and submit a separate application to the assistant registrar (admissions) by September 1 for the session commencing in September.

Senior citizens

Senior citizens, 65 or over or who turn 65 during the term, are not required to pay tuition fees. Applicants of this age are normally subject to the same admission standards as mature students.

Graduate

The minimum qualification for admission to a master's program is second class standing in 1 of the following degrees awarded by a recognized university: a) an honors bachelor's degree in arts or in science; b) a bachelor's degree in applied science or law; c) the degree of doctor of medicine; d) or equivalent.

The qualifications of an applicant who has a bachelor's general degree with not less than a B grade average and has completed 1 academic year of satisfactory full-time study as a qualifying student may be considered as equivalent.

The minimum qualifications for admission to a doctoral program is one of the following: a) a master's degree; b) the admission qualification for the master's program (see above) plus 1 academic year of satisfactory full-time graduate study at a recognized university.

An applicant to a doctoral program whose academic ability in graduate work has not been established to the satisfaction of the department may be accepted on a master's program with the prospect that, if the student proves to be of doctoral calibre, the department will at an early date recommend that the student be transferred to a doctoral program.

Students with unquestionably superior standing in their honors bachelor's degree or equivalent may be considered for direct admission to a doctoral program.

Applicants for graduate study whose first language is not English are required to submit a satisfactory score on the Test of English as a Foreign Language (minimum acceptable score 550) or the English Language Proficiency Test administered by the University of Michigan.

Application Deadlines

Candidates submit their applications through the Ontario Universities' Application Centre.

Candidates currently enrolled in an Ontario secondary school will be provided with application forms through their schools. Graduates of Ontario secondary schools and candidates from other provinces of Canada and other countries should write for application forms directly to the assistant registrar (admissions).

Final deadlines for receipt of applications to undergraduate faculties: March 1, nursing and rehabilitation; May 15, all other programs; March 31, applications from students residing outside North America; April 15, receipt of interim marks for non-Ontario candidates seeking early conditional admission.

Application for graduate studies may be made at any time of the year. As most acceptances and fellowships are adjudicated in March, application should be made early in the year. Applicants from outside Canada should apply before the beginning of the year to compensate for possible delays. Preliminary inquiries concerning graduate study at Queen's may be made to the departments which offer graduate programs.

Application for admission must be addressed to: The Registrar, School of Graduate Studies and Research, Queen's University, Kingston, Ontario K7L 3N6.

Academic Year

Fall/Winter session: September to May. Spring term: May to mid-June. Summer term: Early July to mid-August.

Grading System

Standing is generally graded as follows: A, 80-100%; B, 65-79%; C, 50-64%; F, 0-49%. Consult individual calendars for details.

Student Life and Services

Queen's University was the first university in Canada to introduce student self-government, a tradition which dates back to 1858. All students are members of the alma mater society which: Sponsors educational, cultural, and social activities; publishes a newspaper, yearbook, and student directory; supervises non-academic discipline; and participates in the provision of student services. Fourteen students elected annually from the various faculties are members of the university senate, in addition to a representative of the alma mater society. The rector of the university is elected by the student body to serve a 3 year term as an administrative ombudsman and member of the board of trustees where he represents the interests of the students. Since 1969 the rector of Queen's has been a student.

The John Deutsch University Centre is the focus for educational and recreational activities on the campus. Along with offices for the student government, the student newspaper, a coffee shop, a dining hall and a pub, the centre also contains a bookstore, a bank, and dry cleaning, hairstyling and tuck shop facilities, as well as several meeting rooms.

Queen's provides opportunities for students to participate in 44 interuniversity and over 45 intramural sports. The George Richardson Memorial Stadium is the home of the Golden Gaels football team. The large physical and health education complex includes dance studios, 3 gymnasia, a swimming pool, a hockey arena, squash, racquetball and tennis courts, modern weight training equipment, and archery and golf ranges.

The Agnes Etherington Art Centre houses the permanent university collection of art and offers a full exhibition program throughout the year in addition to presenting illustrated lectures, films, and music recitals.

Convocation Hall is the home of the Queen's theatre and provides opportunities for students to take part in drama productions. The music department has a large collection of recordings for classwork and student listening, supported by a library of books and musical scores. There is also a glee club, choral society and university band. The student radio club operates CFRC and CFRC-FM. Students may also participate in skin diving, flying, political and field naturalist activities, and social volunteer work.

The university provides residence accommodation for 770 men and women on a room only basis and for 2,371 men and women on a room and board basis. There are 2 dining halls which accommodate students living in or out of residence.

There are a number of other residences and apartment blocks provided by the university and by student organizations. Students not housed in one of these developments find accommodation in privately owned rooms, apartments and houses distributed throughout the city.

The university day-care centre provides co-operative day care for approximately 90 children from 6 months to 5 years of age for families of students, faculty, staff and some community people.

The International Centre in the John Deutsch University Centre aims to stimulate and support the academic and personal development of students, faculty and staff through a broad range of programs and service which promote a discerning cross-cultural awareness and sensitivity within the Queen's and Kingston communities. Activities include international student reception, orientation and counselling; international clubs; social and cultural events; development education programs and resources; and information on opportunities for work, study and travel abroad. The local CUSO office is also located in the centre.

The student counselling service provides free psychological and counselling services including individual counselling, psychological testing and group programs for students, staff and faculty. The student health service provides for the physical and emotional health needs of all students through the medical clinic and psychiatric division. Students must have hospital and medical insurance and must provide proof of coverage at the time of registration.

Students with a visual or hearing impairment, a mobility problem or a learning disability should contact the co-ordinator of services for the disabled for information on policies, procedures and support systems and for liaison with academic and administrative departments.

The career planning and placement office provides assistance to students seeking permanent, summer or part-time employment. The service co-ordinates on-campus recruiting by major employers and publicizes vacancies received from employers not visiting the campus. Counselling is conducted on both an individual and group basis and is augmented by career seminars and a comprehensive career information resource area. The service is available to all students.

Research Institutes

Canadian Institute of Guided Ground Transport. Acting director: Gordon English, BSc

The Centre for Industrial Relations.

Centre for International Relations. Director: D.G. Haglund, BA, PhD

The Centre for Resource Studies. Executive director: Margot Wojciechowski, BA, MA

Institute of Intergovernmental Relations. Director: R.L. Watts, BA, MA, PhD, LLD, OC

The John Deutsch Institute for Study of Economic Policy. Acting director: D.D. Purvis, BA, MA, PhD

Affiliated Institution

Queen's Theological College, Kingston, Ontario K7L 3N6 Telephone, (613) 545-2110. Offers courses in theology leading to the master of divinity, bachelor of theology, master of theological studies and master of theology degrees (degrees awarded by the university). Established in 1912. Co-educational. Principal: C.G. Hospital, BA, BD, PhD, ATCL

Redeemer College*

General Information

Address: Ancaster, Ontario, L9G 3N6
Telephone: (416) 648-2131

President: Henry R. De Bolster, BA, MDiv

Inquiries: Direct general correspondence to the registrar, Marian Ryks, BEd

High school liaison: Mark VanBeveren, BA, MBA

Full-time faculty (1989-90): 30

History and Governance

Redeemer College was first founded as an unincorporated association in 1976 under the name Ontario Christian College Association. In 1980 the name was changed to Redeemer Reformed Christian College and a charter was enacted by the Ontario legislature to operate a degree granting university-level liberal arts institution under that name. The college opened in 1982 and graduated its first students with baccalaureate degrees in 1986.

Redeemer College is a co-educational institution, owned and operated by over 5,500 supporting members who are committed to the advancement of Reformed Christian education in all the academic disciplines. The supporting members elect a 24-member board of governors in which all the corporate and fiscal powers to operate the college are vested. The board of governors, under the supervision of its executive committee has delegated all the day-to-day operating powers of the college to its chief executive officer, the president.

The president is assisted in his task by the administrative council consisting of the president, the vice-president (academic), the vice-president (administration and finance), the dean of students and the business director.

The college has an academic council consisting of the president, the vice-president (academic), the dean of studies, 3 members of the faculty, 3 members holding the rank of associate professor or professor at public Ontario universities, 2 members of the board of governors and 1 student. The academic council has exclusive powers in all matters which are purely academic in nature and advisory powers in all matters which may affect the academic programs of the college.

Buildings and Grounds

The 78-acre Redeemer College campus is located in the town of Ancaster, 15 minute's drive from downtown Hamilton and 50 miles from both Toronto and Niagara Falls. The campus includes residences, lecture halls, classrooms and laboratories, a computer centre, administrative offices, a dining hall, a student lounge, a student centre, faculty offices, a 1,000-seat auditorium, a library, and several auxiliary enterprises including a bookstore and a campus food store. All buildings are accessible to the disabled and sufficient parking space is available to students and faculty. The college operates its own transportation service to McMaster University which is located 15 minutes from the campus. General public transportation is also available.

A full range of athletic facilities is available including a double regulation size gymnasium with 400 fixed seats, squash courts and playing fields. Ice skating rinks are accessible in nearby facilities.

Libraries

The Redeemer College collection contains more than 83,000 bound volumes, 12,720 titles on microform, 325 periodical subscriptions and 500 records and tapes for a total of 110,000 bibliographic items.

Programs and Degrees

General bachelor's degrees require 3 years of study (30 courses) after senior matriculation (with 6 OACs). Four-year general, major and honors bachelor's degrees require 4 years of study (40 courses) after senior matriculation (with 6 OACs). The bachelor of arts in education, offered in conjunction with Calvin College, Grand Rapids, Michigan, requires 1 additional year of study after a general, major or honors bachelor's degree.

A credit represents 1 classroom hour per week for 1 term. All courses are 1 semester in length. Most regular courses are 3 credits, and courses with laboratories are 4 credits.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts

Bachelor of christian studies (BCS) general, major and honors programs.

Business

Bachelor of christian studies in business [BCS(Business)] major program.

Education

Bachelor of arts in education (BA) combined program with Calvin College taken concurrently with a general, major or honors program.
Bachelor of christian education (BCEd) 4-year concurrent or 1-year consecutive program.

Psychology/Human services

Bachelor of christian studies [BCS(Psychology)] major program.

Sciences

Bachelor of christian studies (BCS) general and major programs.

* Ordinary member, AUCC. Requires faculty and/or students to subscribe to a statement of faith and/or related standard of conduct.

Certificate program

The certificate in arts requires 1 year (10 courses) to complete after senior matriculation (with 6 OACs).

Special programs

Special programs are available with associated institutions for language-culture-immersion and for environmental studies.

France: Study abroad program open to third-year students having a grade point average of 6.00 (C+) cumulative and 6.00 (C+) in French.

The Netherlands: Study abroad program open to third-year and fourth-year students having a 6.5 (C+/B-) cumulative grade point university-level Dutch or its equivalent.

Environmental studies program: Open to third-year and fourth-year students having a grade point average of 6.00 (C+) cumulative and 6.00 (C+) in their chemistry and biology courses.

Continuing education

Credit courses: Part-time in fall and winter semesters, spring evening session and summer sessions.

Continuing education courses: A number of courses valued at 1 continuing education unit (CEU) are taught in various locations.

Admission Requirements

Ontario: For first year admission, students must satisfy the following: Successful completion of an Ontario secondary school diploma (OSSD or equivalent) with a minimum average of 60% and the proper advanced level courses (including 6 Ontario academic credits).

Other Canadian provinces: Applicants from other provinces will be considered for admission on the presentation of an academic program which is the equivalent of Ontario high school graduation.

Transfer students

Requirements equivalent to those for first-year applicants, plus official transcripts from the qualifying institution with work in good standing (C). The residency requirement demands that the last 30 credits be completed at Redeemer College.

Mature students

Applicants of 21 years or more who have been out of school for at least 2 years and who do not fully meet standard academic requirements are assessed on an individual basis. They may be required to write WNAI, SAT, ACT and are placed on academic probation.

Senior students

Senior citizens, 65 or over, are admitted as either regular or mature students depending on their high school record and are not subject to tuition fees.

International students

Applicants whose native language is not English must demonstrate proficiency in oral and written English by presenting a score of at least 550 in the Test of English as a Foreign Language (TOEFL).

The International Baccalaureate, with at least 2 subjects in the higher level, will be considered with a maximum of 18 credits granted (higher level courses only).

UK and the Commonwealth: General certificate of education, with standing in 5 subjects, of which at least 2 are at the advanced (or higher) level.

USA: Academic graduation supported by college entrance test (ie. either SAT or ACT).

Other: Applicants from other countries will be considered for admission if they have completed an academic program similar to the Ontario high school program at an accredited high school or other educational institution and also present satisfactory scores on college entrance exams. These may be either the American college test (ACT), and scholastic aptitude test (SAT), or the preliminary scholastic aptitude test (PSAT). Documents in languages other than English must be accompanied by certified translations.

Application Deadlines

Prospective full-time students seeking admission for the fall and winter terms should apply by May 15. Applications will be processed after this date, but will require payment of a $100 non-refundable late fee, to be credited toward tuition.

Applications for summer session should be made by May 1 or they will be subject to a late fee of $10 and admission will be conditional upon the size of the class.

Costs (1989-90)

Full-time students: Students taking 4 courses or more per term, $2,340 per term (4 courses).

Part-time students: Students who take 3 courses or more per term, $644 per course. Spring and summer semesters $644 per course.

Application fee: $25 application fee before May 15 and $100 after May 15. Both fees are credited towards tuition when the applicant enrols.

Incidental fees: Student activity fee of $125; recreational development fee of $100.

Residence fees: Shared accommodation and food service $2,970 per academic year.

Academic Year

Fall semester: Early September to mid-December. Winter semester: Early January to the end of April. Spring session: May to June. Summer session: July.

Grading System

Redeemer College uses the 12 point grading system. Excellent: A+, 12 points; A, 11 points; A-, 10 points; Good: B+, 9 points; B, 8 points; B-, 7 points; Acceptable: C+, 6 points; C, 5 points, C-; 4 points; Unsatisfactory/Barely Passing: D+, 3 points; D, 2 points; D-, 1 point; Failure: F, 0 points.

A student must maintain a 5.00 (C) cumulative average in order to be in good academic standing and in order to receive a certificate or degree.

Student Life and Services

Since its inception, Redeemer College students have annually elected a self- governing student council. The student council generally functions as the official voice of the student body in the affairs of the college as a whole. It will supervise most student activities and is responsible for facilitating those activities in which students wish to become involved. The student council consists of 8 members.

The student body as a whole annually elects a member to the college's academic council which is equivalent to the university senate.

There is a student centre which is under the combined supervision of the student council and student life department. It is a lounging recreational centre.

The student life centre is located within the main academic building and houses the student life offices including career education and placement, the campus health centre, the counselling offices, the student council rooms, the student yearbook and newspaper facilities.

Intercollegiate sports include badminton, cross-country running, ice hockey, women's volleyball, men's volleyball, women's basketball, men's basketball, women's soccer and men's soccer.

Intramural sports include volleyball, badminton, floor hockey, ice hockey, table tennis, pool, basketball, swimming, soccer, and squash.

The fine arts division presents public performances in both the 1,000 seat auditorium on campus and in various localities within instrumental ensembles and dramatic productions. There is also a permanent art gallery and an annual art exhibition.

The residence facilities can accommodate up to 285 students in separate men's and women's townhouse style residences. All single first and second year students are expected to live in college residences unless they are living with their parents.

The college provides day care facilities for faculty, staff and students but the operation and responsibility of the centre are under the control of the participants. The college is committed to providing space for the service as required.

Counselling and support services are an integral part of the college community. Each full-time faculty member is the academic program advisor for an average of 13 students each. In addition, under the supervision of the resident director there is a resident assistant for each 8 student residents for first and second year students. An experienced counsellor is available to help students with their vocational and/or personal problems. Psychological testing services as an adjunct to this kind of counselling are also available.

The employment and placement office offers self-assessment workshops, skill testing and counselling career choices. The college also provides a job placement service for both summer students and graduates. Training is also provided to develop job search skills, resume writing, and interview techniques. Assistance is given to students in need of part time employment. A significant number of jobs are available on campus. Off-campus community opportunities are posted and advertised.

Research Institutes

The Pascal Centre for Advanced Studies in Faith and Science. Director: Jitse van der Meer, BSc, MSc, PhD

The University of Regina*

General Information

Address: Regina, Saskatchewan S4S 0A2
Telephone: (306) 585-4111
NetNorth: UREGINA1
Telex: 071-2683

President and Vice-chancellor: Donald O. Wells, BSc, MSc, PhD

Inquiries: Direct general correspondence to the registrar, Nowell A. Stables, BCom, CA

High school liaison officer: TBA

Full-time faculty (1989-90): 442

History and Governance

The University of Regina has a name of recent origin (1974) but a prior history of educational service to the people of Saskatchewan. Regina College, a residential high school of the Methodist Church in Canada, was founded in 1910. In 1912 the main college building was opened on the present College Avenue location. In 1925 Regina College was accepted as an affiliated junior college of the University of Saskatchewan and first year arts and science classes were offered. In 1934 the United Church of Canada (successor to the Methodist Church) transferred the college and its property to the University of Saskatchewan. In 1959 the institution was raised to full degree-granting status, making it the second campus of the University of Saskatchewan. The first buildings on the new campus were occupied in the fall of 1965. In 1964 the 2 teachers' colleges at Saskatoon and Regina became part of the university with all teacher-training programs integrated within the university. The university granted its first degrees in arts and science in 1965. On July 1, 1974, the University of Saskatchewan, Regina campus, by an act of the legislature, became the University of Regina. The university currently has 3 colleges which are federated: Campion College, 1924; Luther College, 1971; and the Saskatchewan Indian Federated College, 1976. Two colleges have acquired affiliation with the university: The Canadian Theological Seminary, 1973; and the Gabriel Dumont Institute of Native Studies and Applied Research, 1983.

The University of Regina is provincial, non-denominational and co-educational. It is governed by a 12-member board of governors, a senate and a council.

International Mandate

The university is committed to international development and education. The international liaison officer acts as a catalyst for international activities. These include a group to help refugees, university participation in the international student Exchange Program, co-operative links with Chinese universities, 2 CIDA-funded institutional linkage projects in Cameroon and India, and 1 project under the Canada-China University Linkage Program administered by AUCC. Contact: Dr. C.W. Blachford, associate vice-president and dean of graduate studies and research. Telephone: (306) 585-4161.

Buildings and Grounds

The University of Regina is situated on a 330-acre area on the south-east limits of Regina (population 179,400). The university forms part of a 2,300- acre Wascana Centre project and was designed by an internationally known architect, Minoru Yamasaki. This project is jointly sponsored by the government of the province, the City of Regina and the university to provide for development of government and university facilities as well as for community cultural and recreational activities. This scheme has no counterpart in Canada. All buildings on the new campus are built on a common base or podium and it is possible to go from 1 building to another without going outside. At present the administration/humanities, classroom, College West, laboratory and library buildings have a common podium with enclosed connecting passage-ways and common courtyards.

The Physical Activity Centre, Campion College, Luther College, the Education Building and the Student Services Centre will eventually be joined to future buildings and College West, an academic and residential complex. The university will acquire 2 new buildings by 1991: The Westbridge Building, which will be one of the largest computer facilities in Canada; and the Language Training Institute, whose purpose will be to provide increased opportunities for adult postsecondary and professional French language training and development for both French and English speaking residents of Saskatchewan and other provinces particularly in Western Canada. The university includes the original Regina College campus located on College Avenue and Darke Hall. The fine arts division, university extension and the conservatory of music are located on this campus. All buildings on the main campus are accessible to the physically handicapped.

Library

The university library includes the main library, the education branch library on the second floor of the education building and the fine arts branch library on the College Avenue campus.

The libraries on the University of Regina campus house monograph and journal collections of some 1.7 million items. The main library together with its branch libraries hold 1.3 million monographs, pamphlets and periodicals, approximately 330,000 government publications, 754,000 items in microform, 45,000 other resource materials as well as growing collections of maps, films, phonograph records and so forth. The

* Ordinary member, AUCC

library archives has a rapidly growing collection of university records as well as general manuscript collections.

The libraries in the federated colleges include the Campion College, 54,000 volumes; Luther College, 8,700 volumes; Saskatchewan Indian Federated College with 10,000 volumes and the university Eeniwuk collection of 4,400 titles.

Library staff provides special personalized service to handicapped persons requiring library assistance.

Programs and Degrees

Bachelor's degrees require 4 years (128 credit hours) from senior matriculation unless otherwise specified and master's degrees at least 1 year from bachelor's degree unless otherwise specified. Doctorates require at least 2 years from a master's degree unless otherwise specified.

A 4-credit course at the University of Regina normally represents 4 lecture hours per week per semester. The transition from a 4-4 to a 5-3 semester system (5-3 credit hour courses per week per semester) should be complete by 1992.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Administration

Bachelor of administration (BAdmin)
Master of administration (MAdmin) At least 36 credit hours of classes plus a project.
Diploma of associate in administration (DiplAAdmin) 2 years from senior matriculation.

Arts

Bachelor of arts (BA) ordinary course, 3 years from senior matriculation. Advanced course, 4 years from senior matriculation. Honors course, 4 years from senior matriculation.
Bachelor of arts in journalism and communications (BAJC)
Bachelor of journalism (BJ) 2 years from bachelor degree.
Certificate in Indian communication arts. Two years from senior matriculation.
Master of arts (MA) 2 years from ordinary BA, 1 year from honors or advanced BA. Thesis required.
Doctor of philosophy (PhD)

Education

Bachelor of education (BEd)
Baccalauréat en éducation. Not less than 90% of the program is taken in French. This is an exchange program with the Université Laval.
Bachelor of education-elementary (Indian education) [BEd-Elementary (Indian Education)]
Bachelor of music education (BMusEd)
Bachelor of vocational/technical education (BVoc/TechEd)
Certificate of extended studies in education. Two semesters (1 year) from a bachelor's degree.
Certificate of vocational/technical education. One year. Teaching certification. The university provides classes and programs in teacher education but teaching certificates must be obtained on application from the Saskatchewan Department of Education.
Postgraduate diploma in educational administration (DipEdAdmin) At least 1 year from BEd.
Master of education in educational administration (MEd) At least 1 year from BEd plus thesis.
Postgraduate diploma in educational psychology. At least 1 year from BEd.
Master of education in educational psychology. At least 1 year from BEd plus thesis.
Postgraduate diploma in curriculum and instruction. At least 1 year from BEd.
Master of education in curriculum and instruction. At least 1 year from BEd plus thesis or research project.
Postgraduate diploma in vocational/technical education. At least 1 year from bachelor's degree plus practicum.
Master of vocational/technical education. At least 1 year from BVoc/TechEd plus thesis or project.

Engineering

Bachelor of applied science [BASc (in systems engineering)] Co-operative work/study program. Five years from senior matriculation. The first 2 years of traditional engineering (agricultural, chemical, civil, electrical, etc.) programs are offered for transfer to the University of Saskatchewan.
Postgressional certificate in engineering. Four-year late afternoon and evening program of upgrading and diversification for engineers (not offered at this time).
Master of science in engineering (MSc)

Fine arts

Bachelor of fine arts (BFA)
Bachelor of music (BMus)
Bachelor of music education (BMusEd)
Certificate in visual arts. Two years specified classes from senior matriculation.
Master of fine arts (MFA) At least 2 years from BFA.
Master of music (MMus) 36 credit hours from BMus.

Physical activity studies

Bachelor of physical activity studies (BPAS) 3 years from senior matriculation.
Certificate in physical activity studies (adapted physical education). Two years from senior matriculation; in co-operation with university extension.

Science

Bachelor of arts (BA) ordinary course, 3 years from senior matriculation. Honors course, 4 years from senior matriculation.
Bachelor of science (BSc) ordinary and honors courses.
Bachelor of laboratory technology (BLT) 2 years after becoming registered technologist.
Students wishing employment in a hospital laboratory must complete a 12-month apprenticeship and write examinations set by Canadian Association of Laboratory Technologists.
Certificate in computer science. Two years from senior matriculation.

Certificate in Indian health studies. Two years from senior matriculation.
Master of science (MSc) At least 2 years from ordinary BA(science) or BSc plus a thesis. Candidates proceeding to a master of science degree in mathematics may take a report option rather than thesis option.
Doctor of philosophy (PhD)

Social work

Bachelor of human justice (BHJ) 4 years from senior matriculation.
Bachelor of Indian social work (BISW) 132 semester hours from senior matriculation.
Bachelor of social work (BSW)
Certificate of human justice (CHJ) 2 years from senior matriculation.
Certificate of Indian social work (CISW) 76 semester hours of classes from senior matriculation.
Certificate in social work (CSW) 2 years from senior matriculation.
Master of social work (MSW) At least 1′ years beyond BSW plus a research project.

Pre-professional program

The faculties of administration, arts and science offer combined and preparatory courses for students intending to enter certain professional colleges such as administration, journalism, law, medicine, optometry, chiropractic, veterinary medicine, dentistry, social work, first year of agriculture, nutrition, physical therapy, occupational therapy and a portion of BSN for holders of RN certification. Students intending to enter any of these programs should, before registering, acquaint themselves thoroughly with requirements and courses of the college or faculty they intend to enter.

Special programs

Bilingual program: Three-year program leading to BA and 4-year program leading to BEd available. Based on regular degree program and differ only in language of instruction. To qualify under bilingual program, student must complete at least 40% and not more than 60% of classes in French and must register in at least 2 classes offered in French by a department other than the French department. Contact A. Lalonde, director of bilingual program, c/o Bilingual Centre, University of Regina, CW 218, telephone: 585-4177.

Interdisciplinary studies: Canadian plains area study program provides interdisciplinary major and honors studies focused on Canadian plains region. Liberal undergraduate program aimed at understanding a regional society in its broad context. Designed to fulfill requirements of faculties of arts and science. Contact J. McCrorie, executive director, Canadian Plains Research Center, 5th floor, Library Building, University of Regina, telephone: 585-4758.

Co-operative programs: Co-operative programs enable students to combine full-time job opportunities with full semesters of study in administration, engineering and science (chemistry, computer science, mathematics and physics). The co-op program is mandatory for engineering students. Contact D. White, co-ordinator, Co-op programs, Ad/Hum 108, University of Regina, telephone: 585-4600.

Continuing education

Evening and summer session: Undergraduate evening classes both on and off-campus available in wide range of subjects in administration, arts, education, science and social work. Spring and summer sessions offer undergraduate classes in administration, arts, education, engineering, science and social work. Some graduate classes offered.

Extension programs: Certificate in administration is an evening program taken as 8 certificate classes, 4 degree classes or a combination of both.

Certificate in data processing: Evening study consisting of specific degree-credit classes in computer science.

Certificate in local government administration: A junior 2-year program of correspondence studies.

Postgressional certificate in engineering: Program for graduate engineers leading to a university certificate after approximately 4 years.

Certificate of continuing education in administrative development: A program of 4 required classes and 4 classes of your choice (all degree-credit).

Certificate of continuing education in Indian career and community counselling: Six degree-credit classes and 2 modules are core classes with 2 electives and a field experience. Off-campus only.

Certificate in voluntary sector management: Evening program of 4 core classes (certificate credit) and 4 certificate or 2 degree-credit elective classes plus a workshop or seminar.

Certificate of continuing education in alcohol and chemical dependency studies: Four degree credit core classes and a practicum, plus 2 electives, offered in co-operation with SADAC.

Certificate in public relations: Evening program consisting of combination of 4 core certificate classes, English 100, 4 certificate or 2 degree-credit electives.

Extension services for urban and rural communities and organizations include specially designed short courses, seminars and conferences in general and adult education. These include community development, human relations and communication, and current issues in public policy. Individual classes in administration and liberal arts offered as well. Contact H. Kindred, dean, University Extension, University of Regina, telephone: 779-4801.

Admission Requirements

Undergraduate

Saskatchewan: Division IV standing (21 credits in classes approved for admission) and minimum average of 65% on 7 approved subject credits necessary.

Other provinces: From high school, Alberta, British Columbia, Manitoba, New Brunswick, Nova Scotia, Prince Edward Island, Northwest Territories, Yukon: Grade 12. Newfoundland: Grade 12 or first year standing at Memorial University. Ontario: Grade 13 or 6 OACs.

Quebec: Completion of year 1 in the CEGEP program (university stream) with appropriate subjects.

Students must have an average of at least 65% on required subjects and must be admissible to a university in their home province.

Note: Applicants seeking admission on the basis of Saskatchewan division IV or satisfactory equivalent to Canadian diploma, who have not completed Grade 10 and 11 credits for English composition and literature or their equivalent at a Canadian secondary institution or in a Canadian correspondence program, will be subject to language requirement listed below under international students.

Canadian students who apply at least 1 semester after completing high school and have Grade 12 or division IV with 60 to 65% average may be admissible. In addition, different faculties have different requirements and students must meet the specific requirements of the faculty they intend to enter as well as general university admission standards.

University entrance program

University entrance program admission is granted to students who do not meet normal academic entrance requirements. These students include:

Pre-degree program students: These are students who lack the entrance requirements for any faculty but who intend to proceed to a degree program. A limited number of international students may be accepted in this category.

Accelerated students: These are students enrolled in a secondary school who wish to take university classes in areas of special interest or ability. These students will be allowed to register on presentation of a letter of approval from their school principal.

General interest students: These are students who wish to take classes for interest or enrichment. They may enrol in up to 32 hours of classes at the 100 and 200 level within UEP admission. Higher level classes may be taken only if all prerequisites are met and there is permission from the appropriate dean's office. Students who have been required to discontinue from this or any other university are not eligible for admission until 2 semesters have elapsed since previous attendance.

Canadian citizens or permanent residents who have a TOEFL score between 525 and 579 inclusive, or an RTEP score between 73 and 81 inclusive may be admitted to the university entrance program but must show progress in each semester of study towards satisfying the requirement in English proficiency.

Students enrolled in the university entrance program may satisfy the English proficiency requirement by successfully writing the final examination, EAP 050 (advanced), if they have completed all other requirements other than English proficiency in order to transfer to a faculty.

For further information, consult the special admissions officer of the university.

Special students

These are students who meet the entrance requirements of the university but who are not pursuing a degree at the University of Regina.

Visiting students are in programs at another recognized postsecondary institution and wish to take classes at the University of Regina for credit at their home institution. The student will be enrolled as a special student on receipt of a letter of permission from a senior official at the institution in which the student is registered listing the classes the student has permission to take. The letter must be sent directly to the University of Regina from the home institution.

Casual students are students who wish to take classes but are not interested in a degree program. These students may take classes for which they have the prerequisites or with the permission of the head of the academic unit.

Non-degree professional program students are students who wish to take classes in order to satisfy requirements for an external professional organization (e.g. CMA, PEng, teaching certificate, psychiatric nurses certificate).

Senior citizens

Senior citizens, 65 or over, are exempt from tuition fees. If proceeding towards a degree or certificate these applicants must meet normal admission standards or apply as a pre-degree program student under the university entrance program (UEP). If not proceeding towards a degree, certificate or other academic qualification, seniors should apply as either a general interest student under UEP or as a casual student (see above).

Graduate

Applicants must hold a baccalaureate degree equivalent to an honors bachelor's degree from the University of Regina, and have at least the equivalent of a weighted percentage average of 70% in their undergraduate work.

International students

Applicants must submit both a completed application for admission and original documents covering present academic standing and should write to the admission's section, office of the registrar for detailed information concerning admission requirements for the faculty to which they are seeking admission.

All applicants from countries other than Canada must submit evidence of facility in English sufficient to meet demands of classroom instruction and written assignment. This evidence must take 1 of the following forms: a) completion of Grade 10, 11 and 12 English in sequence in the Saskatchewan high school system or an acceptable Canadian high school equivalent; b) the Test of English as a Foreign Language (TOEFL) with a minimum score of 580; c) the Michigan Test of English Proficiency with a minimum score of 85; d) the Regina Test of English Proficiency with a minimum score of 82; e) the Comprehensive English Language Test (restricted to Francophone students) with a minimum score of 60; f)

completion of a university degree at a Canadian postsecondary institute where the language of instruction is primarily in English.

The results of the TOEFL must be received by the office of the registrar directly from the Educational Testing Service before the deadline for receipt of applications, otherwise the student's application for admission may be rejected.

Applicants must make their own arrangements to write the TOEFL test. For more information, please contact: Test of English as a Foreign Language, CN6152, Princeton, New Jersey, USA 08541-6152.

The Regina Test of English Proficiency is administered on campus by the University of Regina for prospective students residing in Canada. A non-refundable, non-transferable test fee must be paid when a student registers for the test.

For information concerning test dates and registration contact: English as a Second Language office, Room 121, Campion College Building, University of Regina, Regina, Saskatchewan S4S 0A2.

Application Deadlines

For winter semester, out of country students must apply by October 15 and Canadian students by December 15. For fall semester, out of country students must apply by June 15, out of province students by July 31 and Saskatchewan students by August 15.

The university reserves the right to refuse admission even when stated requirements for entrance have been satisfied. Enrolment in any faculty is limited to number of students that can be accommodated.

Academic Year

Fall semester: September to December. Winter semester: January to April. Spring session: Early May to mid-June. Summer session: Early July to mid-August. The campus operates on a modified trimester system.

Grading System

Standing will be determined on the basis of weighted percentage average (WPA) computed be dividing the sum of the credit hours times the marks accumulated during the semester by the total credit hours attempted: WPA = The sum of (credit hours x marks) divided by the sum (credit hours). AG, aegrotat standing (shown on academic record of graduate students only); AU, audit (no credit); C, credit for hours shown; DE, deferred examination; EX, exempt; F, failure; IN, incomplete; IP, in progress; N, no credit for hours shown; NP, no paper; NR, grades not received from instructor; P, pass standing; W, withdrew from class.

Student Life and Services

The students' union is the organization established and incorporated by students at the University of Regina to present their views to the university, the general public and the government. The union collects fees from all students enrolled in at least 8 credit hours in a semester to finance programs determined by the student body. The union has numerous directorates, programs and positions open to students who are interested in promoting particular programs of interest to themselves and other students. The union meetings are open and students are actively urged to attend and contribute to the business of the union. The union establishes and finances several satellite organizations to allow students in a particular area to effect and control routine aspects of that area of concern. These include the student newspaper, radio station and women's centre. The union has offices in the student service centre building at which you can inquire about any aspect of the union, its programs and services as well as the role of the student in the university. A student service building was completed in the spring of 1969 and has lounging areas and students' union offices. Telephone: 586-8811. The union is represented on the board of governors, the senate, executive of council, council, and university and faculty committees. The student newspaper, The Carillon, is published weekly throughout the fall and winter semesters.

The intramural program offers a multitude of competitive and recreational leagues for the men and women of the university community. Activities such as tennis, touch football, ball hockey, basketball, badminton and volleyball highlight the intramural opportunities for men and women. Co-educational leagues in volleyball, 3 on 3 basketball, slo-pitch, curling and badminton have traditionally been popular. Special events such as golf, turkey trots, curling funspiels, waterslide nights, bowling, mini golf, supercouples competition, and ski trips are also provided to promote fun and social affiliation. For those who wish to pursue some sporting interest in greater depth, the university offers the sports club program. Some people join to learn how to play a sport better, some join to compete on and off campus in city and/or interprovincial play. Sports clubs include handball, hockey, karate, fencing, tae kwon do, curling, diving, indoor soccer, track, lifeguard, kung fu, and aikido. The university is a member of the Great Plains Athletic Conference competing with the universities of Manitoba, Winnipeg and Brandon on a regularly scheduled basis. Current activities include hockey and wrestling, and basketball and volleyball for men and women.

The university has a number of ensembles which are open for student participation. These include the university concert choir, the university concert band, university chamber singers, university chamber orchestra, university jazz ensemble, collegium musicum and the university opera ensemble.

Luther College provided the first residence accommodation on campus and has facilities for 217 students. College West, a co-educational residence for 322 students, features furnished apartments for 8 to 11 students.

A student housing registry is located at the students' union business office to assist students in locating off-campus accommodation. An examinations registry is also maintained here for interested students.

An information kiosk is located in the main library foyer to handle inquiries for general campus information, telephone: (585-1411).

The student health clinic, with an attending physician, is open to students, faculty, staff and visitors, Monday through Friday. The university provides a nurse to give assistance to the injured or sick during clinic hours.

The university day care and the Wascana day care are located adjacent to the university. Both are co-operatives and offer reliable, licensed service. Children are accepted from 18 months to 5 years with a school age program for children up to 12 years at the university day care. Government subsidies are available.

Students who are residents of the province of Saskatchewan have coverage under the Saskatchewan hospital services plan and the medical insurance commission. Students from other provinces in Canada should maintain health coverage under their home province plan while attending university in Saskatchewan. Students applying for residence in Saskatchewan have coverage from the date they establish residence but are required to apply for it at the T.C. Douglas Building. Other students should, through the university, arrange for insurance coverage to be effective throughout the 3-month waiting period.

An international students' advisor is provided to assist students on visas or authorizations and visitors to the campus from outside Canada, with the special problems they face. Contact the international students advisor, room 210, Administration/Humanities Building, telephone, 585-4017.

Students, faculty and employees of the university are offered the services of chaplains.

Academic counselling is provided to students who enter with an adequate educational background by the faculty to which they are admitted. For the student who is uncertain about the choice of a faculty or study program, or who does not have the full educational background for normal admission, the office of the dean of student services offers counselling and programs which lead to admission to faculties and their degree programs. The office is located in room 210, administration/humanities building (telephone, 585-4077), and students are invited to inquire at any time.

Also available on campus is a general counselling service which offers assistance to students with emotional and personal problems and provides some vocational guidance.

The Canada Employment and Immigration Commission maintains an office on campus. The services of this office are available throughout the year and offer assistance to students seeking permanent, summer or part-time employment.

The university encourages handicapped students to investigate the possibility of a university education, whatever their handicap. The university aims to provide services that will enable them to approach their studies with a minimum of difficulty. Counselling, special arrangements with instructors, and new technologies to assist the handicapped are available. A Kurzweil reading machine is available for use by the visually handicapped. Not all areas of the campus are accessible by wheelchair. Students should inquire at the time of registration. Interested students should contact the student services office, telephone, (306) 585-4077.

Special assistance in areas such as lectures, reading assignments and examinations, is available to handicapped students. For information, students should contact their dean's office.

The university bookstore on the main campus is open Monday through Friday and in the evening at the beginning of classes in September and January.

Unless using a metered stall, a student may park on campus only if a parking permit has been paid for and is visibly displayed as required on his vehicle. Application forms for parking permits are available at the university business office.

Research Institutes

Canadian Plains Research Center. Executive director: J. McCrorie, BA, MA, PhD

Energy Research Institute. Director: B.D. Kybett, BSc, PhD

Regina Water Research Institute. Director: D.R. Cullimore, BSc, PhD

Affiliated Colleges

Canadian Theological Seminary, 4400 4th Avenue, Regina, Saskatchewan S4T 0H8. Offers degrees in theology. Courses taken at the college can be credited towards the university's BA degree program. President: R.A. Rose, BSc, MA, PhD

Gabriel Dumont Institute of Native Studies and Applied Research, 121 Broadway Avenue East, Regina, Saskatchewan S4N 0Z6. Executive director: Christopher Lafontaine.

Federated Colleges

Campion College, Regina, Saskatchewan. See separate entry.

Luther College, Regina, Saskatchewan. See separate entry.

(SIFC) Saskatchewan Indian Federated College, Regina, Saskatchewan. See separate entry.

Royal Military College of Canada*

Le texte français se trouve à la suite/French version follows

General Information

Address: Kingston, Ontario K7K 5L0
Telephone: (613) 541-6302

Commandant: Commodore Edward R.A. Murray, OMM, CD, rmc, ndc, pfsc, BEng, DipOpRes, PEng

Inquiries: Direct general correspondence to the registrar, Captain (N) (Ret'd) Peter C. Fortier, CD, rmc, BA, DipBusAdm

High school liaison officer: Barbara J. Leslie, assistant registrar

Full-time faculty (1989-90): 172

History and Governance

The Royal Military College of Canada had its beginning in 1874 when the Dominion government decreed by act of parliament that there be established in one of the garrison towns of Upper Canada "an institution for the purpose of imparting a complete education in all branches in military tactics, fortification, engineering and a general scientific knowledge of the military profession and for qualifying officers for command and for staff appointments". The site selected was the old naval dockyard on Point Frederick immediately east of Kingston. The college opened in June 1876 and the title "Royal" was conferred on the college by Queen Victoria in 1878. The college closed in 1942 for the duration of the war and reopened in 1948 as a tri-service college. The Royal Military College of Canada Degrees Act, 1959, passed by the 25th Ontario legislature empowers the college to grant degrees and honorary degrees in arts, science and engineering. The first degrees were awarded in 1959. An advisory board makes recommendations to the minister of National Defence (who is chancellor of the college) on all matters pertaining to the college. The senate, by authority of the degrees act, has the power to grant degrees. The Royal Military College is a federal, bilingual, co-educational, non- denominational institution.

Buildings and Grounds

RMC is situated east of Kingston (population 61,400) on a peninsula of 110 acres on Lake Ontario at the entrance to the Rideau canal system. The college has 7 teaching and research buildings which include laboratories and workshops; 4 buildings housing cadet residences; an athletic centre and related facilities (see Student Life); and 3 administration buildings; other features include 2 libraries, a theatre, 2 chapels, a large cadet dining hall, recreational and mess facilities for cadets and for senior staff, a museum and ample parking space for the college community.

Libraries

There are 2 libraries which serve the college community.

The Massey Library provides books and information support for those working in the humanities, social sciences and military studies. Reference and data base search services, microform reading facilities and study areas are available for readers to use. The book stacks are open to readers. The fine arts lounge, in which prints and pictures are exhibited, provides a quiet atmosphere for reading and study. The collection contains 137,850 books, including a Military Studies Collection of 29,550 volumes; 26,120 journal volumes; 53,460 government documents; 11,790 microforms; and 470 current journal titles.

The science/engineering library supports the book and information needs for learning and research activities in the science and engineering fields. This open stack library provides reference services, data base searches, microform reading services and study space. The collection includes 33,610 books, 21,730 journal volumes, 17,125 technical reports and 556 current journal titles.

Programs and Degrees

All bachelor's degrees require 4 years from senior matriculation to complete. Each course has a weight determined normally on the basis of 2 per term lecture period and 1 per term laboratory period; thus a 3-period-a-week lecture course for the academic year (2 terms) would have a weight of 12.

Although the stated minimum for a master's degree is 1 year from an honors bachelor's degree, most master's degree programs require 2 academic years plus the intervening summer of full-time or 3 years of half-time study.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Note: Both English and French are languages of instruction and full degree courses are offered in both languages. All examinations may be taken in either language.

Arts

Bachelor of arts (BA) honors and general programs.
Master of arts (MA) Minimum 1 year from honors BA.

Engineering

Bachelor of engineering (BEng)
Master of engineering (MEng) Minimum 1 year from BEng or equivalent with second-class standing.

Science

Bachelor of science (BSc) honors and general program.
Bachelor of science [(BSc) Science (Applied)]

* Ordinary member, AUCC

Master of science (MSc) Minimum 1 year from honors BSc.

Special programs

Second-language training: One of the objectives of the Canadian Military College is to develop the ability to communicate in the second official language. To that end, a program of second-language training (SLT) has been in place for a number of years at RMC whereby students are tutored on a daily basis and progress according to their learning abilities to achieve their highest level of competence in their second language. In accordance with a revised policy, students graduating in 1990 and thereafter will be required to attain a minimum standard in SLT. The aim is to enable students to function well in their second language as officers in the Canadian Forces and the standard required is considered easily attainable.

Interdepartmental programs are available leading to MA in war studies and MSc in materials science. Students enter war studies program after first degree in arts, science or engineering with second-class standing. Students enter materials science after first degree in appropriate field of science or engineering with second-class standing.

Admission Requirements

Undergraduate

Canadian students: Applicants must be Canadian citizens, preferably between the ages of 16 and 21. To meet the minimum requirements for admission, candidates must present satisfactory marks in specific entrance subjects as well as have completed the following educational levels: Ontario: Ontario secondary school diploma. Quebec: CEGEP I or its equivalent. All other provinces: Grade 12. In addition to general and academic admission standards, service enrolment standards must be met.

Students who have completed 2 years of study beyond senior matriculation at Royal Roads Military College or 3 years of study beyond junior matriculation at Collège militaire royal de Saint-Jean will be admitted to third year.

Canadian students who have completed their education outside Canada will be considered for admission. The following academic standings may be submitted.

UK: GCE O-level in English, French, mathematics, physics, chemistry accepted as equivalent to junior matriculation. In addition, at least mathematics and physics at A-level required for Royal Military College and Royal Roads Military College.

USA: High school Grade 12 academic graduation accepted as equivalent to junior matriculation. In addition, 1 year at approved college or university including English, mathematics and physics required for Royal Military College and Royal Roads Military College. Exceptionally high standing at high school level may be acceptable.

Other: Applicants submitting International Baccalaureate considered for admission.

Graduate

Admission restricted to regular officers of the Canadian Armed Forces. Students are posted to the college on full pay and allowances and may pursue studies on full-time and part-time basis, the latter in conjunction with other college duties.

Minimum requirements are: (a) for arts or science, an honors bachelor's degree with at least second-class standing in appropriate area; (b) for engineering, a bachelor's degree with at least second-class standing in appropriate field of engineering or applied science; (c) for war studies, a bachelor's degree with at least second-class standing in arts, science or engineering; (d) for materials science, an honors bachelor's degree in an appropriate field of science or a bachelor's degree in engineering with at least second-class standing.

International students

Only Canadian citizens are eligible.

Costs (1989-90)

Students may be admitted under the regular officer training plan (ROTP) or under the reserve entry training plan (RETP).

ROTP cadets have all fees paid on their behalf in exchange for military service following graduation. RETP cadets pay an annual college fee of $1,080 to defray the costs of tuition, books and military clothing, and $240 monthly for residence and meals. Recreation club, cadet mess and miscellaneous fees of $240 annually are also charged.

Academic Year

The college year is divided into 3 terms. Fall and winter terms together provide a period of 33 weeks instruction including examination periods. From September to May inclusive, approximately 85% of instruction is in academic subjects, and the remainder in military subjects. The summer term extending from June to mid-August is spent in practical military training with the Armed Forces.

Grading System

Standing is graded as follows: A, 75-100%; B, 66-74%; C, 60-65%; D, 50-59%; E, 35-49% (failure); F, below 35% (serious failure).

Student Life and Services

All ROTP/RETP cadets are required to live in residence and all student services are provided. Cadets are organized into a cadet wing composed of a headquarters and 8 squadrons and, under the guidance of Regular Forces officers, are responsible for the administration of many activities of their life at the college.

Cadets have strong representation on all college committees that deal with cadet affairs, and they learn to organize and administer sports, entertainment and other college events. At one time or another, all cadets assume a leadership role.

Regular Force officers of the military wing provide general counselling and, through the registrar's office, staff of the academic departments offer academic counselling to cadets.

Medical and dental services are provided and clinics are located on the college grounds.

Protestant and Roman Catholic chaplains conduct regular church services and are always available for individual counselling.

Athletic facilities include 4 gymnasia with various combinations of basketball, volleyball, badminton and tennis courts. They also contain indoor running tracks, a weight-training area and 6 squash courts. The college has an indoor artificial ice arena, an indoor swimming pool, 5 outdoor tennis courts, 2 quarter-mile cinder running tracks, 9 rugger/football/soccer fields, and a rifle and pistol range. Because of its location on Lake Ontario, RMC has excellent facilities for recreational and competitive sailing and boating. All sports equipment is provided.

Other Canadian Military Colleges

Collège militaire royal de Saint-Jean, Saint-Jean, Quebec. See separate entry.

Royal Roads Military College, Victoria, British Columbia. See separate entry.

Royal Military College of Canada*

Renseignements généraux

Adresse : Kingston (Ontario) K7K 5L0
Téléphone : (613) 541-6302

Commandant : le Commodore Edward R.A. Murray, OMM, CD, rmc, ndc, pfsc, BEng, DipOpRes, PEng

Demandes de renseignements : Prière d'adresser la correspondance générale au secrétaire général, Capitaine (M) (Ret.) Peter C. Fortier, CD, rmc, BA, DipBusAdm

Agent de liaison : Barbara J. Leslie, secrétaire général adjoint

Professeurs à plein temps (1989-1990) : 172

Historique et statuts

Le Royal Military College of Canada a été établi en 1874 alors que le gouvernement du Dominion décrétait, par un acte du Parlement, l'établissement, dans une des villes de garnison du Haut-Canada, "d'une institution dont le but serait de donner une instruction complète dans toutes les branches de la tactique militaire, la fortification et le génie et une connaissance scientifique générale de la profession militaire et d'assurer la formation d'officiers qui seront affectés aux postes de commandement et d'état-major".

Le site choisi a été celui de l'ancien chantier naval de la pointe Frederick, immédiatement à l'est de Kingston. Le collège a ouvert ses portes en juin 1876. Le titre "Royal" lui a été conféré par la reine Victoria en 1878. Le collège a été fermé en 1942 et jusqu'à la fin de la guerre. Il a réouvert ses portes en 1948 en tant que collège interarmes. "The Royal Military College of Canada Degrees Act, 1959", voté par la 25e assemblée législative de l'Ontario, autorise le collège à conférer des diplômes et des diplômes honorifiques en arts, en sciences et en génie. Les premiers diplômes ont été conférés en 1959.

Une commission consultative soumet au ministre de la Défense nationale (le chancelier du collège) des propositions sur toutes les questions touchant le collège. Le conseil, en vertu des pouvoirs que lui confère le "Degrees Act", peut décerner des diplômes. Le Royal Military College est un établissement fédéral, bilingue, mixte et non confessionnel.

Bâtiments et terrains

Le RMC se trouve à Kingston (61 400 habitants), sur une péninsule de 110 acres au bord du lac Ontario, à l'entrée du canal Rideau. Le collège compte 7 édifices consacrés à l'enseignement et à la recherche, qui contiennent des laboratoires et des ateliers, 4 bâtiments servant de logements aux élèves-officiers, un centre de sports et des installations connexes (voir Vie étudiante) et 3 édifices d'administration. Il y a aussi 2 bibliothèques, un théâtre, 2 chapelles, un grand réfectoire pour les élèves-officiers, des centres récréatifs et des mess pour les élèves-officiers et le personnel, un musée et amplement d'espace de stationnement.

Bibliothèques

Il y a 2 bibliothèques à la disposition des membres du RMC.

La bibliothèque Massey prête des livres et assure des services de renseignements à l'appui de ceux qui travaillent en sciences humaines, en sciences sociales et en études militaires. Les usagers ont à leur disposition des services de recherche des références et des bases de données, des installations de lecture de microformats et des salles d'étude. Les lecteurs ont accès aux rayons. Le salon des beaux-arts, où sont exposés des gravures et des tableaux, est un endroit tranquille pour lire ou étudier. Le fonds compte 137 850 livres, y compris une collection de 29 550 volumes sur l'histoire militaire, 26 120 volumes de revues, 53 460 documents gouvernementaux, 11 790 microformats et 470 titres courants de revues.

La bibliothèque des sciences et du génie répond aux besoins en manuels et en renseignements de ceux qui étudient dans les domaines des sciences et du génie et qui font de la recherche. Cette bibliothèque, dont les rayons sont ouverts à tous, offre des services de référence, de recherche de bases de données, de lecture de microformats et des salles d'étude. Le fonds compte 33 610 livres, 21 730 volumes de revues, 17 125 rapports techniques et 500 titres courants de revues.

Programmes et grades

Tous les programmes menant au baccalauréat durent 4 ans après le diplôme d'études secondaires supérieures. Normalement, on accorde à chaque cours un coefficient de 2 par période de cours et de 1 par période de laboratoire, par semestre. Par exemple, un cours ayant 3 périodes par semaine pendant l'année (2 semestres) reçoit un coefficient de 12.

Bien qu'on indique qu'il est possible d'obtenir une maîtrise 1 an après le baccalauréat, la plupart des maîtrises exigent 2 années universitaires d'études à temps plein plus l'été qui les sépare, ou 3 ans d'études à mi-temps. On trouvera des détails sur les programmes au chapitre **Programmes préparant à un grade, un diplôme ou un certificat.**

Note : Les cours sont donnés en français et en anglais et des programmes complets conduisant à l'obtention d'un grade sont offerts dans les 2 langues. Tous les examens peuvent être subis dans l'une ou l'autre langue.

Arts

Baccalauréat ès arts (BA) programme général et programme spécialisé.
Maîtrise ès arts (MA) au moins 1 an après l'obtention du baccalauréat spécialisé.

* Membre ordinaire de l'AUCC

Génie

Baccalauréat en génie (BEng)
Maîtrise en génie (MEng) minimum d'un an après l'obtention du BEng ou l'équivalent avec mention bien.

Sciences

Baccalauréat ès sciences (BSc) programme général et programme spécialisé.
Baccalauréat ès sciences en sciences appliquées (BScA)
Maîtrise ès sciences (MSc) minimum de 1 an après le BSc spécialisé.

Programmes spéciaux

Enseignement de la langue seconde :

Un des objectifs des collèges militaires du Canada est de développer l'aptitude à communiquer dans les 2 langues officielles. A cette fin, on a mis sur pied il y a plusieurs années, au RMC, un programme d'enseignement de la langue seconde (ELS), selon lequel les élèves-officiers suivent des cours tous les jours et progressent à leur rythme, pour atteindre le plus haut niveau de compétence possible. Selon la politique révisée, les élèves-officiers qui terminent leurs études à compter de 1990 doivent atteindre une norme minimale en langue seconde. Cette politique vise à former des officiers des Forces canadiennes capables de travailler dans leur langue seconde. La norme requise est considérée facile à atteindre.

Le collège offre des programmes interdisciplinaires qui conduisent à l'obtention de la maîtrise ès arts (études sur la conduite de la guerre) ou de la maîtrise ès sciences (sciences des matériaux). Le programme d'études sur la conduite de la guerre est ouvert aux candidats qui ont obtenu un premier grade en arts, sciences ou génie avec mention bien. Le programme d'études en science des matériaux est ouvert aux candidats qui ont obtenu un premier grade dans un domaine approprié des sciences ou du génie avec mention bien.

Conditions d'admission

Baccalauréat

Étudiants canadiens : Les candidats doivent être citoyens canadiens et, de préférence, être âgés de 16 à 21 ans. Pour satisfaire aux exigences minimales d'admission, les candidats doivent avoir conservé des notes satisfaisantes dans certaines matières expressément exigées et avoir terminé les études aux niveaux indiqués ci-après : Ontario : Le diplôme d'études secondaires de l'Ontario (DESO); Québec : cégep I ou l'équivalent; toutes les autres provinces : 12^{e} année. En plus de satisfaire aux conditions générales d'admission et de posséder le degré d'instruction requis, le candidat doit satisfaire aux normes d'enrôlement dans les Forces canadiennes.

Les étudiants qui ont terminé 2 années d'études au-delà du diplôme supérieur d'études secondaires au Royal Roads Military College ou 3 années d'études au-delà du diplôme supérieur d'études secondaires au Collège militaire royal de Saint-Jean seront admis en troisième année.

On prendra en considération la demande d'admission d'étudiants canadiens qui ont terminé leurs études à l'étranger. Les points conservés aux niveaux ci-dessous peuvent être présentés :

Royaume-Uni : Le "GCE 0-level" en anglais, en français, en mathématiques, en physique et en chimie est accepté comme équivalent du diplôme d'études secondaires. En outre, au moins le "A-level" en mathématiques et en physique est requis par le Royal Military College et le Royal Roads Military College.

États-Unis : Le diplôme obtenu à la fin de la 12e année est accepté comme équivalent du diplôme d'études secondaires. En outre, une année d'études dans un collège ou une université reconnus est requise en anglais, en mathématiques et en physique pour le Royal Military College et le Royal Roads Military College. Un niveau exceptionnellement élevé atteint à l'école secondaire pourrait être accepté.

Autre : On étudiera la candidature des étudiants qui possèdent un baccalauréat international.

Grades supérieurs

L'admission est limitée aux officiers de la force régulière des Forces armées canadiennes. Les étudiants sont postés au collège, touchent leur plein solde, et toutes leurs indemnités et ils peuvent poursuivre leurs études soit à temps plein, soit à temps partiel; dans ce dernier cas, ils remplissent en même temps d'autres tâches au collège.

Études supérieures

Exigences minimales : (a) arts et sciences : baccalauréat spécialisé et au moins 66 % dans le domaine approprié; (b) génie : baccalauréat et au moins 66 % dans le domaine de génie approprié ou en sciences appliquées; (c) études sur la conduite de la guerre : baccalauréat et au moins 66 % en arts, en sciences ou en génie; (d) science des matériaux : baccalauréat spécialisé dans un domaine scientifique approprié ou baccalauréat en génie et au moins 66 %.

Étudiants étrangers

Seuls les citoyens canadiens sont admis.

Frais (1989-1990)

Les élèves-officiers peuvent être admis en vertu du programme de formation d'officiers de la force régulière (PFOR) ou du programme de formation (intégration à la réserve) (PFIR).

Tous les frais des élèves-officiers du PFOR sont payés en échange du service militaire après l'obtention de leur diplôme. Les élèves-officiers du PFIR versent des droits annuels de 1 080 $ pour la scolarité, les manuels et l'uniforme, plus 240 $ par mois pour le logement et la nourriture. Ils versent aussi 240 $ par an en cotisations au club des loisirs et au mess des élèves-officiers et en frais divers.

Année universitaire

L'année universitaire est divisée en 3 sessions. Les sessions d'automne et d'hiver réunies correspondent à

une période d'instruction de 33 semaines, y compris les périodes d'examen. De septembre à mai inclusivement, environ 85 % de l'instruction se donne dans les matières universitaires et le reste est réservé aux disciplines militaires. La session d'été est de juin à la mi-août et est consacrée à la formation militaire pratique dans les Forces armées.

Système de notation

Les notes sont établies ainsi : A, 75-100 %; B, 66-74 %; C, 60-65 %; D, 50-59 %; E, 35-49 % (échec); F, moins de 35 % (échec grave).

Vie étudiante et services aux étudiants

Les élèves-officiers inscrits au PFOR ou au PFIR doivent vivre au collège, où tous les services étudiants leur sont fournis. Les élèves-officiers sont réunis en une escadre qui comprend un état-major et 8 escadrons; sous la direction des officiers de la Force régulière, ils sont responsables de l'administration de nombreux aspects de leur vie au collège.

Les élèves-officiers sont fortement représentés dans tous les comités du collège qui traitent d'affaires qui les concernent et ils apprennent à organiser et à diriger les rencontres sportives, les divertissements et toute autre manifestation qui a lieu au collège. Tous les élèves-officiers occupent un poste de commandement à un moment donné.

Les élèves-officiers peuvent obtenir des conseils de nature générale des officiers de la Force régulière de l'escadre militaire et se faire orienter dans leurs études par des membres des divers départements, par l'entremise du bureau du secrétaire général.

Les services médicaux et dentaires sont prodigués sur place.

Les aumôniers (protestant et catholique) célèbrent des offices religieux régulièrement et ils sont toujours à la disposition des élèves-officiers qui ont besoin de conseils.

Les installations de sport comprennent 4 gymnases où l'on peut jouer au basket-ball, au volley-ball, au badminton et au tennis. On y trouve aussi des pistes intérieures, une salle de poids et haltères et 6 courts de squash. Le collège a une patinoire et une piscine intérieures, 5 courts de tennis en plein air, 2 pistes cendrées de 400 m, 9 terrains de rugby, de football et de football européen et une salle de tir au fusil et au pistolet. Comme il se trouve au bord du lac Ontario, le RMC est privilégié pour la voile et la navigation de plaisance et de compétition. Il fournit tout le matériel nécessaire.

Autres collèges militaires du Canada

Collège militaire royal de Saint-Jean, Saint-Jean (Québec). Voir chapitre correspondant.

Royal Roads Military College, Victoria (Colombie-Britannique). Voir chapitre correspondant.

Royal Roads Military College*

General Information

Address: FMO Victoria, British Columbia V0S 1B0
Telephone: (604) 380-4514
Fax: (604) 380-4513

Commandant: Colonel J E. Claude Naud, CD, asc, pcsc, BEng, AdeC

Principal and Director of studies: John S. Mothersill, BSc, BSc(Eng), PhD, PEng

Inquiries: Direct general correspondence to the registrar, Group Captain (ret'd) Murray D. Thom, CD, rmc, pfsc, pcsc, aws, BASc, AdeC

High school liaison officer: Captain Kathleen Beeman, assistant registrar

Full-time faculty (1989-90): 50

History and Governance

Royal Roads Military College has its roots in the Royal Naval College of Canada established first in Halifax in 1911. The college buildings were destroyed in the Halifax explosion of 1917 and the institution was moved to Esquimalt. It was closed in 1922 but its spirit was reborn in HMCS Royal Roads in 1940, located at Hatley Park, near Victoria, and became the Royal Canadian Naval College in 1942. The Royal Canadian Naval College became, in 1947, the RCN-RCAF Joint Services College. In the following year, with the admission of army officer cadets, Royal Roads became a tri-service cadet college, the Canadian Services College Royal Roads. In 1968 the name of the college was changed to Royal Roads Military College.

The Royal Roads Military College is a federal government co-educational institution. It is governed by a 7-member general and academic council, a 10-member senate and a 16-member faculty council. An advisory board makes recommendations to the minister of National Defence (who is chancellor of the college) on all matters pertaining to the college. The senate has authority to grant degrees under the Royal Roads Military College Degrees Act, 1976. The first BSc degrees were granted in 1977 and the first BA degrees in 1983.

Buildings and Grounds

The college is situated approximately 13 km west of the city of Victoria on a 325-acre seafront property, which was at one time the estate of the Honorable James Dunsmuir. The most remarkable building on the grounds is the castle, a magnificent stone building completed in 1908 as the Dunsmuir residence. It now serves as a location for the college's administrative offices. There is an academic block, a residence block, a library, a gymnasium, a swimming pool and many outdoor playing fields, tracks and tennis courts. Laboratories and the officer cadets' mess are located in original estate outbuildings. Other facilities include shooting ranges and a boathouse with small water craft.

Library

The college library collection of some 75,000 bound volumes, 580 periodicals and a growing collection of microfilms, phonograph records, films and photographic slides, is housed in the college's newest major building. The Coronel Memorial Library was completed and opened in 1974, providing an excellent student study and resource area.

Programs and Degrees

General, combined major and honors degrees require 4 years of study following senior matriculation.

Course credits are based on a 3-lecture hour full-year course system, the normal course being assigned 3 units of credit in 26 weeks and a 3-hour semester course assigned 1 units of credit in the 13 week semester.

The master's degree requires a minimum of 18 months residence. Both a course and a thesis pattern are available. The normal residence for the thesis pattern is 2 years.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts

Bachelor of arts (BA) general and honors programs in military and strategic studies; history and international relations; history and literature; politics and economics.
Bachelor of arts (BA) major and honors programs in applied military psychology.

Science

Bachelor of science (BSc) general, combined major and honors programs in physics, oceanography; computer science, space science, applied military psychology.
Master of science (MSc) oceanography and acoustics.

Admission Requirements

Undergraduate

Canadian students: Applicants must be Canadian citizens between the ages of 16 and 21, except for serving members of the Canadian Forces for whom special age considerations apply. To meet the minimum requirements for admission, candidates must present satisfactory marks in specific entrance subjects as well as have completed the following educational levels. Quebec: CEGEP I or equivalent. Ontario: Ontario secondary school diploma with a minimum of 6 Ontario academic courses (OACs). All other provinces: Grade 12. In addition to general and academic admission standards, service enrolment standards must be met.

* Ordinary member, AUCC

Students who have completed 2 years of study beyond senior matriculation at the Royal Military College of Canada or 3 years beyond junior matriculation at Collège militaire royal de Saint-Jean will be admitted to third year.

Canadian students who have completed their secondary school studies outside of Canada may submit the following standings for consideration.

UK: GCE 0-level standings are required in English, mathematics, chemistry and physics, and A-level standings in mathematics and 1 of chemistry or physics.

USA: Students with high standings in required subjects at the Grade 12 level may be accepted.

Other: Students presenting the International Baccalaureate will be considered.

The language of instruction at the college is English but examinations may be written in either English or French.

International students

Only Canadian citizens are eligible for admission.

Costs (1989-90)

Students attending as members of the regular officer training plan receive pay, allowances and transportation and travelling allowances. Those enroled under the reserve entry training plan pay fees as follows: a) annual college fee of $1,350 to defray the costs of tuition, clothing, books, instruments, dry cleaning, laundry and incidental expenses; b) a fee of $2,000 each year to defray costs of meals and accommodation; c) an annual recreation club fee of $80; and d) mess dues, (cadet mess) $171.

Academic Year

The college year is divided into 2 semesters, each entailing 13 weeks of instruction and an examination period. Approximately 85% of the instruction is academic, the balance being composed of drill, physical training and other specifically military subjects. The summer period, from June to mid-August, is spent in military training with the Canadian Armed Forces.

Grading System

The grading system used is as follows: A, 75-100% (first class honors); B, 66-74% (second class honors); C, 60-65%; D, 50-59%; F, 40-49% (failure) and FF, below 40% (serious failure).

Student Life and Services

All officer cadets except former serving members of the Armed Forces are required to live in college residences. Complete facilities are provided.

Day-to-day student life, apart from class and laboratory time, occurs within the structure of a student-operated organization, the cadet wing. Its function is supervised by regular force officers on the college staff. Each cadet is assigned to a regular forces officer of captain rank for general counselling purposes and to a civilian member of the academic faculty for academic counselling.

Medical and dental services are provided and clinics are located on campus.

Roman Catholic and Protestant padres serve the cadet wing and conduct regular church services.

A very full physical training and athletic program is mandatory with expert instruction in a wide range of athletic and recreational activities being provided.

Research Centre

RRMC Coastal Marine Sciences Laboratory. Program co-ordinator: P.J. Schurer, BSc, MSc, PhD

Other Canadian Military Colleges

Royal Military College of Canada, Kingston, Ontario. See separate chapter.

Collège militaire royal de Saint-Jean, Saint-Jean, Quebec. See separate chapter.

Ryerson Polytechnical Institute*

General Information

Address: 350 Victoria Street, Toronto, Ontario M5B 2K3
Telephone: (416) 979-5000

President: Terry Grier, MA

Inquiries: Direct general correspondence to the Information Centre, 350 Victoria Street, Toronto, Ontario M5B 2K3

High school liaison: Gene Logel, assistant registrar, office of admission/liaison

Full-time faculty (1989-90): 580

History and Governance

The Ryerson Institute of Technology was established in 1948 by the government of Ontario as an experiment in postsecondary technical education, with some 250 students. In 1963 the Ryerson Polytechnical Institute Act changed the school's name and established it as an independent institution with its own board of governors.

A 1971 amendment to the act empowered the institute to confer the degrees of bachelor of applied arts and bachelor of technology in addition to its traditional diplomas and certificates. In 1977 a new act extended degree designations to include bachelor of business management. It also formally established a bicameral system of governance under which the board remains responsible for the financial management and conduct of the institute while academic council establishes educational policy, subject to spending restraints set by the board.

Ryerson was the first postsecondary institution in Canada to invite students and faculty to serve on its board in 1968 and they continue to participate both on the board and academic council, along with alumni and staff.

Ryerson is a non-denominational, co-educational institution, offering more than 30 programs in arts, applied arts, business, community services and a wide range of technologies, with an emphasis on career orientation through a blend of theory, activity, work experience and a solid grounding in the liberal arts.

International Mandate

The International Development Centre maintains all external contacts for international activities. It advises and consults with the senior administration, stimulates, manages and monitors all international development projects, and approves all international contracts. The centre encourages and facilitates faculty/staff involvement in international development research and activities, and provides special programs for foreign students. Ryerson has many overseas links and partnerships with institutions, industries, governments and non-government agencies. Contact: Dr. P.M. Rawkins, director, International Development Centre. Telephone: (416) 979-5026.

Buildings and Grounds

Ryerson's campus occupies 18 acres of land in downtown Toronto. The main quadrangle building, Howard Kerr Hall, was opened in 1963. Jorgenson Hall and the technology annex were opened in 1971. The Donald Mordell Learning Resources Centre was officially opened in 1974. In 1978 the Ryerson Community Park was opened, creating an urban park on and around the campus and forming a natural link with the community. The recreation and athletics centre opened in 1987. Other buildings serve the business, architectural technology, early childhood education, electrical and mechanical technology, photographic arts, journalism, interior design and theatre departments/schools.

A new Ryerson parking garage opened May 15, 1988, and there is almost unlimited parking (for a fee) in the downtown area close to Ryerson. The main Ryerson campus has convenient access to numerous public transportation routes and is well serviced by streetcars and the subway.

Most buildings are accessible by wheelchair and have elevators. Several have special washrooms that accommodate wheelchair users. Ryerson's new parking garage has a few spaces designated for use by handicapped individuals. The Toronto Transit Commission operates a special van service; several other van services also operate within the City of Toronto.

Library

The library contains 286,485 volumes and subscribes to approximately 2,068 periodical subscriptions, 6,216 records/tapes, 112 microcomputers in microcomputer facility. The 12-storey Donald Mordell Learning Resources Centre, which houses the library, was officially opened in 1974.

Ryerson's library is accessible by wheelchair. It provides a number of extended services for the handicapped, including the provision of lockable study rooms for specialized equipment and microcomputer facilities positioned for use by people in wheelchairs. In cooperation with the W. Ross Macdonald School in Brantford, the library can arrange for items to be transcribed into braille or onto audio tapes.

Special collections: Energy, nutrition, the Third World and urban planning are included in the library.

Programs and Degrees

Bachelor's degrees require 3 or 4 years of study beyond Ontario year 5 (OAC graduation) unless otherwise specified.

Three credits normally represent 3 lecture hours per week for 1 term. Six credits is usually equivalent to

* Ordinary member, AUCC

either 3 lecture hours per week for 2 terms or 6 lecture hours per week for 1 term.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Applied arts

Bachelor of applied arts in fashion [BAA(fashion)] 4 years. Students may apply to graduate with a diploma in fashion after successful completion of the first 3 years of the program.

Bachelor of technology in graphic communications management [BTech(graphic communications management)] 4 years.

Bachelor of applied arts in interior design [BAA(interior design)] 4 years. Accredited by FIDER (Foundation for Interior Design Education Research).

Bachelor of applied arts in journalism [BAA(journalism)] 3 years. Two-year program available for students who hold bachelor degrees from recognized English-language universities.

Bachelor of applied arts in photographic arts [BAA(photographic arts)] 4 years.

Bachelor of applied arts in radio and television arts [BAA(radio and television arts)] 3 years.

Theatre (acting), (dance), (technical/production) 3 years.

Arts

Bachelor of applied arts in applied geography [BAA(applied geography)] 4 years.

Bachelor of applied arts in public administration [BAA(public administration)] Part-time study program designed primarily for public sector employees. Three levels of study, offering students the option of applying to graduate with a certificate after the completion of level 1, an advanced certificate after level 2, or the BAA after level 3. Students who do not possess the OSSHGD may be eligible for admission under Ryerson's mature student guidelines.

Diploma in arts. Three years following Ontario Grade 13.

Business

Bachelor of business management. Four years of study offered on a full or part-time basis. Students may apply to graduate with a diploma provided they meet graduation requirements after successful completion of the first 3 years of the program.

Diploma of business administration. Three years.

Bachelor of applied arts in hospitality and tourism management [BAA(hospitality and tourism management)] 4 years plus 1 year of acceptable, cumulative work experience (to be acquired prior to admission to fourth year). Applicants must possess the OSSHGD (Ontario Grade 13) or the OSSD with six Grade 13/OAC credits. Students may apply to graduate with a diploma in hotel, restaurant and institutional administration after successful completion of the first 3 years of the program.

Bachelor of applied arts in administration and information management [BAA(administration and information management)] 4 years. Students wishing to obtain a diploma may do so after completing 3 years of the program. Offered on a full or part-time study basis.

Community services

Bachelor of applied arts in child and youth care [BAA(child and youth care)]. This is a part-time, post-diploma degree program for experienced practitioners in the child and youth care field.

Bachelor of applied arts in early childhood education [BAA(early childhood education)] 4 years. Part-time attendance permitted by special application. Graduates from early childhood education diploma courses in Ontario community colleges may apply for admission to the third year.

Bachelor of applied arts in environmental health [BAA(environmental health)] 4 years. Students may apply to graduate with a diploma in environmental health after successful completion of the first 3 years and are also eligible to pursue certification as public health inspectors [CPHI(C)] following successful completion of third year.

Bachelor of applied arts in food, nutrition, consumer and family studies [BAA(food, nutrition, consumer and family studies)] 4 years.

Bachelor of applied arts in nursing [BAA(nursing)] 2 years of study beyond Ryerson diploma in nursing (or equivalent). The degree may also be completed on a part-time study basis. Diploma: 2 years (6 semesters including 2 semesters of practicum).

Bachelor of applied arts in social work [BAA(social work)] 4 years. (Offered on a full- or part-time study basis). Students may apply to graduate with a diploma in social work after successful completion of the first 3 years of the program.

Bachelor of applied arts in urban and regional planning [BAA(urban and regional planning)] 4 years.

Technology

Bachelor of technology in aerospace engineering [BTech(aerospace engineering)] 4 years. Students may apply to graduate with a diploma in aerospace engineering technology after successful completion of the first 3 years of the program.

Bachelor of technology in applied computer science [BTech(applied computer science)] 4 years.

Bachelor of technology in architectural science [BTech(architectural science)] 4 years.

Bachelor of technology in chemical engineering [BTech(chemical engineering)] 4 years. Students may apply to graduate with a diploma in chemical engineering technology after successful completion of the first 3 years of the program.

Bachelor of technology in civil engineering [BTech(civil engineering)] 4 years. Students may apply to graduate with a diploma in civil engineering technology after successful completion of the first 3 years of the program.

Bachelor of technology in electrical engineering [BTech(electrical engineering)] 4 years. Students may apply to graduate with a diploma in electrical engineering technology after successful completion of the first 3 years of the program.

Bachelor of technology in industrial engineering [BTech(industrial engineering)] 4 years. Students may apply to graduate with a diploma in industrial engineering technology after successful completion of the first 3 years of the program.
Bachelor of technology in laboratory science [BTech(laboratory science)] 4 years. Students may apply to graduate with a diploma in laboratory science after successful completion of the first 3 years of the program.
Bachelor of technology in mechanical engineering [BTech(mechanical engineering)] 4 years. Students may apply to graduate with a diploma in mechanical engineering technology after successful completion of the first 3 years of the program.
Bachelor of technology in survey engineering [BTech(survey engineering)] 4 years plus an accumulation of the equivalent of 1 year of summer and/or full-time work experience in surveying or related fields (can be accumulated either before, during, or after academic studies). Students may apply to graduate with a diploma in survey engineering technology after successful completion of the first 3 years of the program.
Diploma in landscape architectural technology. Three years.

Continuing education

Continuing education at Ryerson offers part-time adult learners a wide variety of options in credit and non-credit programs throughout the year. Career- oriented and personal development courses are available in arts, applied arts, business, community services, technology and community education, as well as through special programs and courses such as gerontology and seniors at Ryerson. Continuing education offers over 51 certificate programs which require the completion of 6 to 10 courses in a related field of study. In addition to certificate programs, continuing education also provides adult learners with a diverse range of study options. Women's programs, for instance, offer courses and workshops designed to address topics of special interest to women; summer at Ryerson provides courses in both credit and non- credit formats. Professional seminars and personal development courses are also offered throughout the year.

For further information, telephone the Ryerson Information Centre, (416) 979-5036.

Admission Requirements

Undergraduate

Ontario: Ryerson operates on a system of subject admissions. Students applying to particular programs require an Ontario secondary school diploma or a secondary school honor graduation diploma together with specific Grade 13 and/or OAC credits subjects and level of achievement necessary for admission to the program.

Other provinces: Applicants must submit evidence of equivalent standing. The following information suggests guidelines for academic comparison.

It is essential that the required subject prerequisites and grades, for specific programs, form part of the academic background of applicants from other provinces especially in the last 2 years of high school studies.

For programs requiring Ontario Grade 12, the following certificates are usually acceptable. Alberta, Nova Scotia, Prince Edward Island, Manitoba and Saskatchewan: Grade 12. British Columbia: Grade 12 (combined studies or selected studies program). New Brunswick: Grade 12 (college preparatory program). Newfoundland: Pre-1984, Grade 11 matriculation certificate (preferably academic program); from 1984, Grade 12 senior high school diploma (academic program). Quebec: Secondary V certificate.

Applicants who have the certificates listed below may be admissible to programs requiring 6 OAC credits and/or Grade 13. Alberta: Grade 12 with 60% overall average. British Columbia: Grade 12 (combined studies or selected studies program), minimum C+ average in the subject prerequisites and C average in other subjects. Manitoba: Grade 12 university entrance program, 60% overall average. New Brunswick: Completion of the college preparatory program (60% overall average). Newfoundland: Completion of first year at Memorial University. Nova Scotia: Grade 12 (university preparatory program, 60% or 1 complete year of university studies after junior matriculation). Prince Edward Island: Grade 12 (university preparatory program, 65% overall average). Quebec: 1 complete year of pre-university with 70% in prerequisite subjects (preferred). Saskatchewan: Division IV graduation (minimum total of 21 credits) 60% overall average.

Note: Applicants who have completed 1 or more years at university, college of applied arts and technology or institute of technology at level equal to or higher than that of Ryerson program may be given credit for previous studies at the discretion of office of admissions.

Mature students

Applicants who do not possess minimum admission requirements may be considered for admission if: a) they are 21 years of age as of December 31, of the year in which they will commence studies; b) have been away from formal education for at least 2 years; c) can present tangible evidence of ability to cope with program at Ryerson; and d) have been Canadian citizens for at least 1 year or are permanent residents or are sponsored by a Canadian government agency.

Ryerson reserves the right to ask that mature students possess the minimum prerequisite subject requirements at the level indicated.

Senior citizens

Students 60 years of age and over must meet normal admission requirements or those outlined for mature students. Tuition fees are waived for senior students.

International students

All applicants must include English in their studies at the level indicated (or higher) in the individual program admission requirements. Test of English as a Foreign

Language (TOEFL), the Michigan English Test or English as a Second Language studies cannot be used as substitute. Ryerson reserves the right to request applicants whose first language is not English, or applicants who have resided in Canada for 4 years or less, write the Ryerson Test of English Proficiency (RTEP). This test is scored on pass/fail basis.

As evidence of the applicants' ability to carry on their studies in English, Ryerson will consider results of the Test of English as a Foreign Language (580 minimum acceptable score for communications-based programs and 550 for mathematics and science-based programs).

Commonwealth: Students applying for program requiring Ontario Grade 12 must have 6 academic subjects on GCE at 0-level with grades A, B, or C, or 1, 2 or 3. Specific program requirements must be included. Those applying to programs must have at least 2 A-level papers and 3 0-level papers with grades A, B or C, or 1, 2 or 3. Specific program requirements must be included.

India or Pakistan: Those applying to a program requiring Ontario Grade 12 should have at least 2 years of a BA, BCom or BSc with record of at least second division passes at university levels. Specific program prerequisites must be included. Those applying to programs should have completion of BA, BCom or BSc with at least second division passes at secondary and university levels. Specific program requirements must be included.

USA: Applicants who have completed Grade 12 and are applying to Ryerson programs will be considered for admission on an individual basis. High academic standards ("A" grades or better). Applicants whose grades are below "A" must have an additional year of postsecondary education at a recognized college or university.

Students submitting the International Baccalaureate will be considered for admission.

Application Deadlines

Ryerson begins its review process early in the new year. Offers of admission are made in May/June.

Applicants must have completed or be currently completing, the admission requirements as described in the calendar at the time of application. Decisions cannot be made without mid-term or final results. All applications received prior to March 1, will be given equal consideration. After this date, applications are reviewed on a first-come, first-serve basis, subject to space.

Students attending a semesterized school in Ontario should verify all application dates and procedures with the secondary school they are attending. All international students must complete the preliminary application.

Effective for the fall 1989 term, March 15 will be the application deadline. Students are advised to obtain OUAC 105F form from the Ontario Universities Application Centre in Guelph, Ontario.

Academic Year

Fall term: Beginning of September to end of November. Winter term: Beginning of January to end of April. Diploma nursing program commences September and spans 2 calendar years; each year made up of 2 full semesters, plus a practicum (clinical experience) of approximately 7 weeks during the third and sixth semesters.

Grading System

Final course grades determined by combining term or examination evaluations or both. Ryerson's 9 point grading system is as follows: A+, exceptional (90-100%); A, excellent (80-89%); B+, very good (75-79%); B, good (above average) (70-74%); C+, satisfactory (65-69%); C, adequate (60-64%); D+, passing (55-59%); D, minimum passi· g (50-54%); F-S, redeemable failure (0-49%); F, failed (0-49%). Additional grading categories: AEG, aegrotat; INC, incomplete; NG, no grade; PSD, passed; INP, in progress; AUD, audit; WDN, officially withdrawn; GNR, grade not reported.

Student Life and Services

The student services department is responsible for co-ordinating, initiating and organizing student development programs and services on campus. Student services comprises a central office and 6 specific areas of activity: Athletics and recreation, counselling, financial aid and awards, health centre, and housing and placement offices.

All full-time and part-time students are members of the students' union which is administered by an annually elected board of directors consisting of a full-time president, 3 half-time vice-presidents, and 5 directors from the 5 faculty groups. The union administers funds collected on its behalf by the institute and provides a wide range of services and activities of a social and educational nature. Most of the union's budget is used to provide a wide range of free or non-profit services to students. The balance is allocated to student clubs, cultural groups, professional societies and the course unions which represent students at the departmental level. Among the most important responsibilities RSU (Ryerson students' union) carries out are those of pressuring for academic reform and increased government funding. RSU represents students on most institute committees and councils, and actively encourages students to run for departmental councils, academic council and the board of governors. It also works closely with other colleges and universities through CFS (Canadian Federation of Students), and OFS (Ontario Federation of Students). Originally called the student administrative council (SAC), the union received its letters patent from the government of Ontario on June 27, 1967.

O'Keefe House accommodates about 40 men and Neill-Wycik College, a 22-storey co-operative residence owned and operated by its members, houses 700 students.

Ryerson's housing registry, operated by the student services department, lists a great variety of off-campus accommodation as a free service to students. During the summer, city maps, telephones, newspapers and useful brochures are available at the registry.

Food services and a bookstore are available to students. Ryerson also has its own radio station, CKLN. In addition, the school of journalism produces a newspaper twice weekly. A student union-supported newspaper is published once per week. Both newspapers are published during the academic year.

Ryerson's athletic facilities include a triple gym with spectator area, a single gym, weight room, mat room, a 25-yard pool, an arena, fitness trail, 2 tennis courts, fitness evaluation centre and outdoor artificial skating rink. A new athletics facility, which opened in September 1987, contains 7 international regulation squash courts, a weight and fitness room, a 410-foot running track, 2 gyms and a dance studio/martial arts room.

Ryerson participates in interuniversity sports through the OUAA (for men) and OWIAA (for women) and fields men's and women's teams in alpine skiing, badminton, basketball, fencing, swimming and volleyball as well as men's ice hockey and wrestling. An extensive intramural program offers the opportunity for participation in over 40 different leagues and individual and team participation in a wide range of sports. Among recreational clubs on campus are karate, scuba, fencing and trampoline.

A modern, well-equipped health centre is located in Howard Kerr Hall and a registered nurse and doctor are in attendance Monday to Friday. Any illness or accident not requiring hospitalization can be treated at the centre.

The Ryerson theatre is fully equipped with a seating capacity of 1,250. The theatre is used for staging productions of the Ryerson theatre school and for external theatrical productions from opera to concerts of all types. Ryerson's media centre staffs and operates a 300-seat-plus multi-media theatre equipped with a slide/sound rear projection system and a 16mm projection system.

The student services department in Jorgenson Hall offers an international student advisory service established to help students with the documentation process as well as to offer advising support. In addition, a number of special cultural groups exist on campus which are financially assisted by the students' union. International student advisory service, telephone (416) 979-5187.

Ryerson's school of early childhood education administers 2 day care facilities: An infant/toddler centre and an early learning centre. Priority on the waiting list is given to Ryerson faculty, students and staff. The infant/toddler centre can accommodate approximately 21 children ranging in age from 3 months to 2′ years; the early learning centre has spaces for approximately 45 children aged 2′ years to 5 years. Parents may apply for subsidization when their children are accepted. Both centres maintain a complement of full-time staff to care for the children. Telephone: (416) 979-5302 (infant/toddler centre) or 979-5000, extension 6337 (early learning centre).

Ontario students should be covered under the Ontario Health Insurance Plan. Out-of-province students are advised to maintain coverage under their home province plan. International students are eligible for OHIP but must apply for it upon arrival in Ontario. Coverage is available from Blue Cross for students coming from outside Canada to cover them during the 3-month waiting period for OHIP. Students who do not have OHIP or similar coverage will be billed for the cost of medical services. Ryerson's students' union provides partial reimbursement for costs of prescription drugs.

The centre for student development and counselling provides personal and career counselling services to students through interviews, informal conversations and group sessions. When appropriate, psychological tests may be administered to students to evaluate career objectives. Group counselling programs develop self-management, personal effectiveness and learning skills. Programs can be developed in response to student needs. The centre also operates an occupational and educational information centre offering a wide range of materials on careers and educational alternatives.

The Ryerson placement centre is the official Canada Employment Centre on campus. This office assists graduating students and alumni from degree and diploma programs to find permanent employment and undergraduates part-time, summer and temporary employment. Each year, the centre arranges for approximately 200 employers to recruit on campus at Ryerson. This program operates from November to March.

The Ryerson alumni body, now numbering 50,000, is growing at a rate of approximately 2,500 per year. Ryerson regards its alumni as inseparable partners in the task of maintaining program quality and currency in all areas. A renewed effort is being mounted to develop and strengthen the program-based areas to ensure a more effective partnership with faculty and administration. For information, telephone the director, office of development and alumni affairs, (416) 979-5197.

Specialized Centres

Centre for Advanced Technology Education. Provides industrial quality training environment for manufacturing managers, engineers, technologists and senior Ryerson students. Curriculum focuses on 2 emerging areas: CIM/FMS (computer-integrated manufacturing/flexible manufacturing systems) and photonics (lasers, fiber optics and holography). Director: Al Oatridge

The Centre for Disabled Persons. Provides detailed, personalized service for students with special needs. Those with learning disabilities should contact the centre as soon as they decide to apply to Ryerson. Most buildings are accessible by wheelchair, and several provide special facilities that accommodate those using wheelchairs. Classroom reassignment is standard procedure to accommodate any inaccessible situation.

The Learning Resources Centre and the Centre for Disabled Persons have many technical devices and aids for those with individual specialized and study needs. Co-ordinator: Bill Byrne

Office of Research and Innovation. Provides full range of research services to faculty across all departments, including proposal writing and preparation, submissions to ethics committee, transmittal of proposals to funding agencies, assistance with report preparation and publishing, assistance with financial management of projects. Guides ideas from the concept stage to the marketplace by providing marketing advice and business plan preparation. In addition, the centre's staff assists inventors and entrepreneurs with patent applications, licensing and aid in finding funding sources. Director: Robert Guerriere

Ryerson International Development Centre. Involves Ryerson in overseas projects aimed at Third World self-sufficiency. Director: Phil Rawkins, PhD

Université Sainte-Anne*

Renseignements généraux

Adresse : Pointe-de-l'Église (Nouvelle-Écosse) B0W 1M0
Téléphone : (902) 769-2114

Recteur : Harley d'Entremont, BA, MPA, PhD

Demandes de renseignements : Prière d'adresser la correspondance générale au secrétaire général, Sylvestre Muise, BSc, MSc, PhD

Renseignements sur les admissions: Adresser les demandes de renseignements généraux au registraire, Murielle Comeau

Agent de liaison : Josée Bédard

Professeurs à plein temps (1989-1990) : 47

Historique et statuts

L'Université Sainte-Anne a été fondée en octobre 1890 par les pères Eudistes. L'établissement a été incorporé sous le nom de Collège Sainte-Anne et investi du pouvoir de conférer des grades le 30 avril 1892 en vertu d'une loi de l'Assemblée législative de la Nouvelle-Écosse. En 1971 l'administration de l'établissement a été confiée à des laïcs. L'acte d'incorporation a été mis à jour et l'établissement fut constitué officiellement sous le nom de Université Sainte-Anne le 19 mai 1977.

C'est la seule université francophone de la province et elle offre à ses étudiants une formation qui permet de perfectionner les deux langues officielles du pays. Elle répond aux besoins des Acadiens des provinces Maritimes en matière d'éducation aussi bien que de façon culturelle, sociale et économique.

L'Université Sainte-Anne est une corporation indépendante à but d'enseignement public, mixte et non-confessionnelle, administrée par un conseil d'administration composé de 23 membres et par un conseil d'université composé de 8 membres. En tant qu'établissement francophone le français, comme langue première ou comme langue seconde, aussi bien que l'anglais, sont exigés de tous les étudiants. Les étudiants qui ne sont pas au niveau linguistique approprié peuvent suivre des cours d'immersion qui sont disponibles toute l'année.

Mandat international

L'université n'a entrepris que très peu d'activités internationales. Deux professeurs ont enseigné les sciences de l'éducation aux Iles Comores pendant 2 ans. S'adresser à : L. Comeau, vice-recteur, affaires extérieures. Téléphone : (902) 769-2114 poste 134.

Bâtiments et terrains

L'université est située sur les bords de la Baie Sainte-Marie entre Digby et Yarmouth. La population de la municipalité de Clare, qui comprend le village de Pointe-de-l'Église, est de 9 000 habitants. Les édifices de l'enseignement et de l'administration, la bibliothèque, le gymnase, la piscine, la patinoire, le théâtre, la cafétéria, le centre étudiant, la librairie et 10 résidences se trouvent sur le campus. Tous les édifices sont accessibles aux handicapés et le stationnement est disponible sans frais supplémentaire sur le campus.

Bibliothèque

La bibliothèque Louis-R. Comeau contient 84 000 volumes et souscrit à 310 abonnements de revues professionnelles et autres. Une collection spéciale se trouve au Centre Acadien (édifice de la bibliothèque Louis-R. Comeau), où est préservée une grande variété de données, de documents et d'objets touchant à l'histoire et à la culture des Acadiens de la Nouvelle-Écosse en particulier, sans exclure les Acadiens des autres coins du monde.

Programmes et grades

L'obtention du baccalauréat à l'Université Sainte-Anne requiert normalement 3 années d'études (90 crédits) après la 12^{e} année de la Nouvelle-Écosse ou son équivalent. Dans le cas des baccalauréats spécialisés, il faut 4 années après la 12^{e} année de la Nouvelle-Écosse. Un plein cours équivaut à 6 crédits universitaires et s'échelonne sur 2 trimestres universitaires. Un demi-cours équivaut à 3 crédits universitaires et il est normalement enseigné pendant un trimestre universitaire.

Tous les programmes accentuent d'abord l'apprentissage de la langue française; l'apprentissage de la langue anglaise est aussi exigé dans chacun des programmes, sauf en immersion.

Année préparatoire aux BA, BSc, BAA, BEd (admission après la 11^{e} année de la Nouvelle-Écosse)
Programme d'immersion en français d'une durée de 6 semaines (sessions de printemps et d'été)
Trimestre (100 jours) d'immersion en français

On trouvera des détails sur les programmes au chapitre **Programmes préparant à un grade, un diplôme ou un certificat.**

Autres stages d'immersion en français
BA : Baccalauréat ès arts (3 ans)
BA (français) : Baccalauréat ès arts avec concentration majeure en français (3 ans)
BA (spéc. français) : Baccalauréat ès arts avec spécialisation en français (4 ans)
BA (anglais) : Baccalauréat ès arts avec concentration majeure en anglais sans mineure ou avec mineure en français, histoire, psychologie ou philosophie (3 ans)
BA (études canadiennes) : Baccalauréat ès arts avec concentration majeure en études canadiennes avec option en français, anglais ou histoire (3 ans)
BA (histoire) : Baccalauréat ès arts avec concentration majeure en histoire (3 ans)

* Membre ordinaire de l' AUCC

BA (commerce) : Baccalauréat ès arts avec concentration majeure en commerce (3 ans)
BEd : Baccalauréat en éducation (1 an d'études après le AEd du NSTC, 2 ans après un baccalauréat et 4 ans après une 12e année)
BSc : Baccalauréat ès sciences (2 premières années de 4)
BAA : Baccalauréat en administration des affaires (4 ans)
CDF : Certificat en didactique du français (1 trimestre)
Dipl.admin : Diplôme en administration des affaires (2 ans)
Dipl.sc.sec. : Diplôme en sciences de secrétariat (2 ans)

Administration des affaires

Baccalauréat en administration des affaires (BAA) et diplôme en administration des affaires (DAA) programmes de 4 et de 2 ans respectivement qui sont axés sur les petites entreprises et mettent l'accent sur la formation bilingue des étudiants.

Arts

Baccalauréat ès arts (BA) programme de 3 ans après la 12e année en Nouvelle-Écosse.

Éducation

Programme de baccalauréat en éducation avec mineure (BA/BEd intégré) programme de 4 ans après la 12e année de la Nouvelle-Écosse et de 2 ans après un baccalauréat. Le diplômé est admissible au brevet d'enseignement de la classe 5.

Concentration mineure disponible dans les domaines suivants : sociologie, mathématiques/physique, histoire, enseignement à l'élémentaire ou au secondaire, chimie, anglais et biologie.

Sciences

Les 2 premières années du programme du baccalauréat ès sciences (BSc). Des accords ont été signés avec l'Université de Moncton, et l'Acadia University pour terminer le programme.

Sciences du secrétariat

Diplôme en sciences de secrétariat. Programme de 2 ans après la 12e année. Le programme vise à assurer la formation de secrétaires compétents tout à fait bilingues et se concentre sur les langues afin que les étudiants apprennent à exécuter leur travail en toute confiance, que ce soit en français ou en anglais.

Éducation permanente

Le programme d'éducation permanente est adapté aux besoins des adultes et des communautés acadiennes de la province. Les cours théoriques ne sont qu'une partie des activités de l'université; elle organise des conférences sur les aspects social, économique et religieux de la vie de la communauté.

Immersion totale : Cours de printemps et d'été : L'université offre 2 sessions d'immersion en français de 6 semaines à l'intention des étudiants qui désirent apprendre le français en tant que langue seconde et à l'intention de ceux dont la langue maternelle est le français mais qui désirent perfectionner leur connaissance de cette langue. Des activités sociales et culturelles sont organisées dans le cadre de cette session pour encourager les étudiants à participer de façon active. La première session est du début mai à la mi-juin, et la deuxième du début juillet à la mi-août. Des sessions de courte durée sont aussi offertes.

L'École professionnelle et de métiers : l'École professionnelle et de métiers a été mise sur pied en 1980 par l'Université Sainte-Anne en collaboration avec le ministère de l'Éducation de la Nouvelle-Écosse et le Centre d'emploi du Canada pour l'organisation de cours professionnels et de métiers destinés aux adultes francophones de la province de la Nouvelle-Écosse.

L'École professionnelle et de métiers offre des cours tels que :
- Préparation à la formation professionnelle : préparer les adultes pour le marché du travail et leur donner les préalables nécessaires à la poursuite de cours professionnels, de métiers ou autres cours postsecondaires.
- Ébénisterie : donner aux stagiaires les connaissances nécessaires et développer en eux les compétences requises pour l'ébénisterie.
- Formation en matières commerciales (secrétaires bilingues) : former des étudiants capables d'exécuter les tâches d'un bureau en anglais ou en français.
- Programmation en informatique : enseigner aux stagiaires la programmation informatisée au moyen de l'ordinateur et des langues commerciales et les méthodes de traitement de données.

Conditions d'admission

Baccalauréat

Nouvelle-Écosse : Le candidat doit avoir réussi un programme de la 12e année avec une moyenne d'au moins 60 % et un minimum de 50 % en français, en anglais et dans 3 autres matières scolaires. Les étudiants qui viennent d'autres universités obtiendront normalement des crédits pour les cours suivis ailleurs, mais tous les cas dans cette catégorie sont soumis à un comité des admissions pour évaluation.

Autres provinces : Les étudiants venant du Nouveau-Brunswick et de l'Ile-du-Prince-Édouard doivent avoir terminé leur 12e année. Ceux des autres provinces sont jugés selon des normes d'admission imposées aux candidats de la Nouvelle-Écosse.

Étudiants adultes

Certains étudiants peuvent être admis sans avoir satisfait aux conditions en matière d'instruction, pourvu qu'ils soient âgés d'au moins 22 ans au cours de l'année de l'admission et qu'ils aient passé au moins 2 ans dans les rangs de la population active ou dans une école d'arts et de métiers.

Cependant, toute personne qui désire s'inscrire à l'Université Sainte-Anne peut demander le statut d'étudiant spécial. Chaque demande sera prise en considération par le comité des admissions. Deux lettres de référence doivent accompagner une telle demande d'admission. Les étudiants spéciaux ne seront pas autorisés à poursuivre leurs études à moins d'avoir réussi

au moins les 2 tiers des cours suivis au premier semestre.

Étudiants étrangers

Ceux-ci seront jugés selon les normes applicables aux étudiants de la Nouvelle-Écosse aux fins de l'admission.

Note : Les étudiants qui n'ont pas une connaissance adéquate du français doivent s'inscrire à une session d'immersion en français avant leur inscription au programme régulier. Ces étudiants pourront seulement passer aux programmes réguliers après avoir terminé le niveau avancé ainsi que le FLS 3016, français fonctionnel. Dépendant du niveau de français, certains étudiants auront à suivre des cours de rattrapage.

Année universitaire

Trimestre d'automne : 6 septembre au 20 décembre 1990; trimestre d'hiver : 7 janvier au 14 avril 1991; Sessions de printemps et d'été : 5 mai au 15 juin 1990; 30 juin au 10 août 1990.

Système de notation

Pour réussir un cours, l'étudiant doit obtenir une note minimale de 50 %, mais pour obtenir un grade, il doit conserver une moyenne générale de 60 %. (La moyenne générale à conserver pour obtenir le baccalauréat en éducation est 65 %).

Vie étudiante et services aux étudiants

Les étudiants doivent obligatoirement faire partie de l'association générale des étudiants de l'Université Sainte-Anne (AGEUSA) qui, depuis les années 1960, permet le développement physique, culturel et social des étudiants. Les étudiants sont représentés au conseil d'administration et aux autres conseils et comités de l'université.

Une résidence principale logeant 120 étudiants et 8 plus petites résidences logeant 180 étudiants sont gérées par une directrice des résidences. Une nouvelle résidence avec 64 chambres a ouvert ses portes en septembre 1990. Il y a des résidences mixtes et des résidences d'immersion, et la carte de repas est obligatoire pour tous les étudiants qui logent en résidence.

Le campus est muni d'une grande piscine, d'un gymnase, d'une patinoire à glace artificielle et au printemps, au patinage à roulettes, de courts de racquetball, de courts de tennis et autres terrains de jeux d'équipe. Les principaux sports pratiqués sont : le hockey, le ballon-panier, le ballon-volant, le badminton, le tennis, le soccer et la balle molle. Toutes ces installations sont accessibles aux handicapés.

Entre autres services offerts aux étudiants, il y a un service de consultations, une cafétéria, un restaurant, une librairie, une discothèque, une fanfare, une chorale, un café-théâtre, une caisse populaire, un radio-campus, des laboratoires de sciences et de langues et un studio audiovisuel.

Les services médicaux sont assurés par un médecin qui a ses bureaux à proximité du campus.

Un Centre d'emploi du Canada est aménagé près du campus. En outre, des emplois sont offerts aux étudiants à l'université comme moniteurs de résidence.

Tout autre renseignement au sujet de la vie étudiante et des services aux étudiants peut être obtenu en s'adressant au directeur des affaires étudiantes.

Centres de recherches

Centre Acadien. Directeur : Neil Boucher, BA, MA

Centre de littérature jeunesse. Directeur : Yves Beauchesne, BA, BPéd, MA, PhD

Centre Jodrey pour le développement des entreprises dans les régions acadiennes de la Nouvelle-Écosse. Directeur : Gérald Boudreau, BCom, MBA

Centre provincial de ressources pédagogiques. Directeur : Jean-Louis Robichaud, BA, CEGH, LèsL, DENS

Institut de développement communautaire. Directrice : Alphonsine Saulnier, MSW

Chaire de recherche

Chaire d'études en civilisation acadienne de la Nouvelle-Écosse. Responsable : Gérald boudreau, BA, BTh, Dipl en cathéchèse, MSc, PhD

Collège universitaire de Saint-Boniface*

Renseignements généraux

Adresse : 200, avenue de la Cathédrale, Saint-Boniface (Manitoba) R2H 0H7
Téléphone : (204) 233-0210
Télécopieur : (204) 237-3240

Recteur : Paul Ruest, BA, BEd, MEd, PhD

Demandes de renseignements : Prière d'adresser la correspondance d'ordre général à la registraire, Marlene L. Cormier

Aviseur des étudiants et orienteur : Roland Saurette

Professeurs à plein temps (1989-1990) : 54

Historique et statuts

L'origine du Collège universitaire de Saint-Boniface remonte à Monseigneur Provencher qui, en 1818, fondait une école où l'on enseignait le latin aux garçons de la colonie. Tour à tour dirigé par les Pères Oblats, les Frères des Écoles chrétiennes et le clergé séculier, il fut confié par Monseigneur Taché aux Pères Jésuites en 1885. Son incorporation civile date de 1871. En 1877, il est avec 2 autres collèges de Winnipeg, cofondateur de l'Université du Manitoba.

En 1922, un incendie réduisit en cendres l'édifice commencé en 1880. Monseigneur Béliveau céda alors à la Corporation du Collège son petit séminaire. En 1924, on ajouta à cet immeuble une aile de 100 pieds sur 55.

Le 22 mai 1956, un gymnase fut inauguré, grâce à quelque 350 dons d'anciens élèves et d'amis du collège et, en mai 1961, eut lieu l'inauguration du pavillon universitaire.

Le 1er janvier 1967, les pères Jésuites, après 82 ans de service, remettaient la direction du collège à l'Archevêché de Saint-Boniface et Monseigneur Antoine Hacault, évêque auxiliaire du diocèse, devenait recteur.

Le 10 novembre 1969, l'Archevêché cédait le collège et sa direction à une corporation laïque.

Pour mieux servir les francophones de l'Ouest canadien, le traditionnel cours classique du collège s'est progressivement ouvert aux humanités modernes.

Les gens de Saint-Boniface ont pu voir s'élever entre 1972 et 1974 le nouvel édifice de la faculté d'éducation et du centre de linguistique. En 1974 et 1975, le programme d'expansion du collège universitaire se poursuivit par l'addition de locaux pour services aux étudiants, d'un gymnase et d'une bibliothèque de 4 étages.

A l'automne 1982, pour la première fois dans l'histoire du collège, on accueille des étudiants poursuivant un programme d'études de 2e cycle.

La direction du Collège universitaire de Saint-Boniface est confiée à un conseil d'administration de 12 membres. Les questions concernant les grades, 1er cycle des études et les cours sont soumises au conseil de direction de l'enseignement universitaire, puis au conseil d'administration.

Afin de mieux intégrer le secteur de formation technique et professionnelle au sein du collège, on choisit, au printemps 1989, de reconnaître officiellement le "collège communautaire" sous le titre d'École technique et professionnelle du Collège universitaire de Saint-Boniface.

Depuis plusieurs années maintenant, le Collège universitaire de Saint-Boniface est présent à la communauté environnante non seulement par le biais de ses programmes réguliers mais aussi par une série d'activités d'intérêt professionnel et personnel. Ces activités sont offertes par un personnel qualifié qui sensibilise la clientèle, à la langue, à la culture et à la technologie. L'éducation permanente demeure fidèle à ses buts d'excellence mariés au plaisir d'apprendre. La programmation de 1990-1991 comprend une variété de cours et d'activités pouvant satisfaire tous les goûts et tous les besoins.

Bâtiments et terrains

Le Collège universitaire de Saint-Boniface comprend un seul édifice situé au coeur même de Saint-Boniface (la communauté urbaine de Saint-Boniface est au centre-ville de Winnipeg). Entouré des institutions historiques et culturelles de cette même communauté, le collège est un vibrant témoignage à la vivacité du peuple franco-manitobain. L'édifice comprend entre autres 2 gymnases, un centre de conditionnement physique (SPORTEX), une bibliothèque, une cafétéria, une chapelle, un centre d'informatique, un laboratoire de langues, un café-rencontre pour les étudiants, un amphithéâtre, 3 laboratoires de sciences et une salle de spectacle. Derrière l'édifice se trouve un terrain d'athlétisme.

Bibliothèque

La bibliothèque Alfred-Monnin fut dédicacée le 17 juin 1983 lors d'une réception en hommage à M. Alfred M. Monnin, le troisième juge-en-chef francophone de la province du Manitoba. Cette bibliothèque se situe dans un nouveau pavillon ouvert en 1975.

La bibliothèque possède une collection d'au-delà de 100 000 documents et plus de 525 périodiques et journaux. Ces documents sont surtout de langue française et apportent un appui à l'enseignement dans tous les secteurs d'enseignement du collège.

La bibliothèque offre tous les services normalement trouvés dans les établissements collégiaux et universitaires : documentation scripte et audiovisuelle, référence, prêt interne et entre bibliothèques, recherches bibliographiques.

* Membre ordinaire de l' AUCC. Affilié avec l'University of Manitoba.

Programmes et grades

Arts et sciences

Baccalauréat ès arts (BA) programme général de 3 ans (90 crédits).
Baccalauréat ès arts (BA) (spécialisation en français) programme de 4 ans (120 crédits).
Baccalauréat ès arts (BA) (latin - philosophie) programme de 3 ans (90 crédits).
Baccalauréat ès arts (BA) (spécialisation en traduction) programme de 4 ans (120 crédits).
Baccalauréat ès sciences (BSc) programme de 3 ans (90 crédits).
Baccalauréat ès sciences (BSc) programme de 4 ans avec majeur (120 crédits).
Certificat de traduction. programme de 1 an (30 crédits).

Éducation

Baccalauréat en éducation (BEd) (élémentaire) programme de 4 ans (120 crédits).
Baccalauréat en éducation (BEd) (secondaire) programme de 4 ans (120 crédits).
Baccalauréat en éducation (BEd) (élémentaire) programme de 2 ans (60 crédits).
Baccalauréat en éducation (BEd) (secondaire) programme de 2 ans (60 crédits).
Post-baccalauréat en éducation programme de 1 an (24 crédits).
Maîtrise en éducation (MEd) 15 crédits avec mémoire ou 27 crédits avec examen synthèse.

École technique et professionnelle

Certificat de commis-dactylo programme d'un an.
Certificat de sténo-dactylo programme d'un an.
Certificat d'aide-comptable programme d'un an.
Diplôme de secrétaire de direction programme de 2 ans.
Diplôme de gestion de l'entreprise programme de 2 ans.
Diplôme d'animation en garderie programme de 2 ans.

Éducation permanente

Le certificat d'études coopératives (30 crédits).

Les programmes de langue seconde : français oral; cours d'été de langues - bourses; MIELS (mois intensif pour enseignants de langue seconde); MIELS PLUS (programme de perfectionnement des enseignements de français langue seconde). Autres cours de langue seconde : espagnol, allemand, anglais.

Formation professionnelle : nouveau départ; méthodes d'études; cours d'intérêt général.

Perfectionnement professionnel : informatique; communication orale et écrite; gestion; travail de bureau.

Programmes scolaires.

Cours taillés sur mesure.

Programme d'accès aux études universitaires.

On trouvera les détails sur les programmes au chapitre **Programmmes préparant à un grade, un diplôme ou un certificat.**

Conditions d'admission

Tous les étudiants qui s'inscrivent au collège pour la première fois sont tenus de subir des tests diagnostiques de français écrit (arts - sciences) et de français écrit et oral (éducation). Ces tests doivent être subis avant l'inscription (arts - sciences) et avant l'admission (éducation).

Manitoba : Tout candidat au 1er cycle doit avoir obtenu 20 crédits dans un programme d'études secondaires. Cinq de ces crédits doivent être du niveau de 3e année, de telle façon qu'ils touchent à 4 domaines d'études différents et comprennent un minimum de 3 matières du niveau 300. Certaines facultés n'acceptent que les candidats qui ont conservé une moyenne de plus de 60 % ou l'équivalent alors que d'autres exigent un minimum de compétence professionnelle. L'étudiant doit aussi satisfaire aux conditions particulières suivantes : arts - avoir réussi 2 des cours suivants : anglais 300, maths 300 ou 301, autre cours de langue du niveau 300; éducation - français 300, maths 300 ou 301, moyenne de 60 % dans les 3 cours de niveau 300; avoir subi le test oral; sciences - avoi réussi maths 300 et 1 des cours suivants : chimie 300, physique 300 ou biologie 300.

Un étudiant peut faire compter sa connaissance d'une langue autochtone comme un des crédits du niveau 300.

Autres provinces : Colombie-Britannique, Territoire du Yukon, Nouveau-Brunswick : avoir terminé la 12e année avec une moyenne cumulative d'au moins C; Alberta, Terre-Neuve, Territoires du Nord-Ouest, Nouvelle-Écosse, Ile-du-Prince-Édouard : avoir terminé la 12e année avec une moyenne cumulative d'au moins 60 %. Saskatchewan : avoir terminé la 12e année avec une moyenne cumulative d'au moins 65 %. Ontario : avoir terminé la 13e année avec une moyenne de 60 %. Québec : avoir terminé la première année de cégep avec des résultats satisfaisants (ce qui correspond normalement à une moyenne cumulative d'au moins 2,0 sur une échelle de 4 ou d'au moins 60 %, selon le système de notation utilisé).

Étudiants étrangers

Tous ces candidats doivent se reporter aux conditions générales d'admission énumérées dans la section Manitoba.

Les candidats des autres pays, y compris ceux inscrits au baccalauréat international, peuvent obtenir les conditions d'admission en s'adressant à la registraire.

Dates limites des inscriptions

Semestre d'automne : le 31 août 1990; semestre d'hiver : le 3 janvier 1991; semestre printemps-été : (sera annoncée plus tard).

Année universitaire

Début septembre au début de mai.

Système de notation

Le barème des notes accordées aux étudiants pour leur travail est le suivant : A+, (4,0), exceptionnel; A, (4,0), excellent; B+, (3,5), très bien; B, (3,0), bien; C+, (2,5), satisfaisant; C, (2,0), passable; D, (1,0), marginal; F, (0), échec.

Vie étudiante et services aux étudiants

Le bureau de l'association des étudiants du Collège universitaire de Saint-Boniface se trouve parmi les locaux réservés aux étudiants, au 1er étage de l'édifice. On y trouve aussi le bureau du journal universitaire, la Puce à l'oreille, une salle de détente et une salle de billard.

L'association des étudiants est un organisme représentatif du corps étudiant qui se donne pour but d'organiser la vie collégiale dans les limites de sa juridiction de façon à favoriser l'épanouissement de chaque individu en particulier et de la communauté en général.

Un prêtre est à la disposition de tous les étudiants et de tout le personnel du collège. En plus de l'animation liturgique, ce service offre des moments de réflexion et de prière, des rencontres personnelles de counselling pastoral ou d'accompagnement de vie.

Le service de counselling offre de la consultation psychologique à tout étudiant désireux de se prévaloir de ce service, quelles que soient les raisons qui le motivent.

Le service de placement a pour but d'informer et d'aider les étudiants à se trouver un emploi régulier, d'été ou à temps partiel, et de faciliter le recrutement au collège universitaire par les employeurs.

Les activités sportives offrent à toute la communauté universitaire des moments de loisirs susceptibles de répondre aux intérêts et aux besoins de tous.

La coordination des différents programmes intra-muros, intercollégial et indépendant (activités libres), offre des occasions de compétition et de divertissement et permet de répondre à tous les goûts.

Le programme intramural est centré sur la compétition dans les sports individuels et collectifs les plus populaires parmi les universitaires, sous forme de ligues et de clubs suivants : volley-ball, golf, tennis sur table, hockey sur glace, ski de fond, ski alpin, hockey de salon, basket-ball, billard, conditionnement physique, lancers francs, racquet-ball, tir à l'arc, jogging, badminton, tennis et hand-ball européen.

Le programme intercollégial assure aux élites masculines et féminines l'occasion de faire valoir leurs talents en représentant le CUSB dans les compétitions sportives intercollégiales et civiles aux niveaux régional et provincial dans les activités suivantes : soccer, tennis sur table, course cross-country, volley-ball, hockey, basket-ball, badminton et curling.

Plusieurs activités culturelles sont organisées au collège. Entre autres mentionnons le ciné-club, les pièces de théâtre, les causeries, les spectacles, le club de photographie, la danse, la radio-étudiante.

Le collège est doté d'une cafétéria située au sous-sol de l'aile est de l'édifice. On peut y prendre un repas chaud le midi. La cafétéria est ouverte tous les jours où il se donne des cours.

SPORTEX est un des meilleurs centres de conditionnement physique à Winnipeg. Les aires d'activités comprennent deux terrains de squash, 2 terrains de racquet-ball, une salle miroitée avec piste de danse aérobique, un salon de musculation qui contient 18 pièces d'équipement (nautilus et poids et haltères) en plus de 12 vélos immobiles de marque "LIFECYCLE".

Pour retrouver la détente après l'exercice, les salles de rechange sont munies non seulement de douches et de casiers mais aussi de bains tourbillons et de saunas. Les serviettes et les cadenas sont également disponibles sur demande.

SPORTEX dessert les étudiants, le personnel, ainsi que la communauté 7 jours par semaines.

Centres de recherche

Centre de recherche. Directeur : Raymond Théberge, BA, MA, PhD

Centre d'études franco-canadiennes de l'Ouest (CEFCO). Directeur : Raymond Théberge, BA, MA, PhD

Centre de rédaction. Directeur : Normand Fortin, BA, MEd

Institut Joseph-Dubuc. Centre de ressources et de traduction de la Common Law en français. Directeur : Daniel Mathieu, BA, LLB

St. Francis Xavier University*

General Information

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Fax: (902) 867-5153

President: David Lawless, BA, MA, PhD

Inquiries: Direct general correspondence to the registrar, Bernard V. Liengme, PhD

High school liaison officers: Heather MacKinnon, BA and Joseph Bradford, BA

Full-time faculty (1989-90): 176

History and Governance

Founded in 1853 at Arichat, Nova Scotia as a diocesan college, St. Francis Xavier University was transferred to Antigonish 2 years later. In 1866 an act of the provincial legislature conferred upon the college full university powers. In 1882 a provincial statute created a board of governors. Teaching began in 1853 and the first degrees were awarded in 1868.

St. Francis Xavier University is widely known for its work in adult education. Community activities were sponsored by individual teachers early in the history of the institution and the extension department was formally organized in 1928. St. Francis Xavier University is a government funded, Roman Catholic co-educational institution. It is governed by a 41-member board of governors and a 29-member senate.

International Mandate

The Coady International Institute conducts a leadership and organizational development program in Canada and overseas for persons/agencies engaged in activities to enable disadvantaged people to become masters of their own destiny. It organizes development workshops with Third World agencies, and provides project consultancies and evaluations and direct technical assistance to Third World organizations. It maintains institutional linkages in South Africa and India. The International Development Office co-ordinates initiatives for international co-operation in the university's academic sector. Contact: Dr. J.J. MacDonald, executive vice-president. Telephone: (902) 867-2443.

Buildings and Grounds

The university is located in Antigonish, population of about 8,000. There are 8 teaching buildings, a library, a chapel, a gymnasium and pool, a rink, residences for men and for women as well as residences for women at Mount Saint Bernard College, an academic centre with classroom accommodation for 2,000 students, and a building containing administrative and faculty offices. Buildings for engineering, physics, chemistry, biology, nutrition and consumer studies, and adult education, as well as Bloomfield centre, a non-academic centre for general university activities, are located on the campus.

Library

The Angus L. MacDonald Library contains 210,000 volumes, accommodates 500 students and holds the commemorative Hall of the Clans.

Special collections: The Celtic collection
The Shell Collection of Nova Scotiana.

Programs and Degrees

Bachelor's degrees require 4 years from Nova Scotia Grade 12 unless otherwise specified. Master's degrees require 1 year from bachelor's degree unless otherwise stated.

Each 4-year bachelor's program requires 120 credits (a full-year course = 6 credits, 1 semester course = 3 credits).

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts

Bachelor of arts (BA) general, major and honors programs. The BA general and major programs require 3 years; the BA with honors is a 4-year program.
Bachelor of arts in music (BAMus)
Diploma in jazz studies. Two academic years plus 1 summer session of study.
Master of arts (MA)

Business

Bachelor of business administration (BBA) general, major and honors programs.

Information systems

Bachelor of information systems (BIS)

Education

Bachelor of education (BEd) 1 year following graduation in arts, business administration, science.
Master of arts in teaching (MAT) 1 year from BEd and 2 years of teaching. May be taken at 5 summer schools.
Master of education (MEd) Equivalent of 1 year of study from BEd and 2 years of teaching. Available only at summer school; requires 5 sessions.
Master of adult education (MAdEd) Equivalent of 1 or 2 years of study (full-time or part-time).

Engineering

Certificate in engineering. First 2 years of engineering following Grade 12. Certificate holder may attain engineering degree in an additional 2 or 3 years at another Canadian university. In addition, at the end of the first 2 years, students may enter architecture at the Technical University of Nova Scotia.

* Ordinary member, AUCC

Nutrition and consumer studies
Bachelor of science (BScNCS)

Nursing
Bachelor of science (BScN)

Science
Bachelor of science (BSc) general, major and honors programs.
Master of science (MSc)

Physical education
Bachelor of science in physical education (BScPhysEd)

Social leadership
Coady International Institute: Social leadership course leading to a diploma in social leadership. Designed for men and women who are actively engaged in community development work and allied fields or who desire to become community leaders. May to November session.

Continuing education
Undergraduate courses in arts for degree credit and graduate courses leading to MA in teaching English, history or mathematics and to MEd. Part-time degree programs are available in general bachelor of arts and bachelor of business administration.

Admission Requirements

Undergraduate
Nova Scotia: Students who have earned credit in 5 subjects (including English) in the Grade 12 university entrance program will be considered for admission. An average of 60 and no grade below 50 is required. The bachelor of business administration and bachelor of information systems program require mathematics. The science programs have specific subject requirements, generally 2 of biology, chemistry and physics.

Other provinces: Certificate of equivalent standing is required. Alberta, Northwest Territories, British Columbia, Yukon, Newfoundland, Manitoba, New Brunswick, Prince Edward Island and Saskatchewan: The Grade 12 university entrance program is recognized as equivalent to Nova Scotia Grade 12. Ontario Grade 13 or 6 Ontario academic credits (OACs) and Quebec CEGEP year 1 are accepted as equivalent to Nova Scotia Grade 12.

Transfer students
Transfer credit will be granted for appropriate courses with grades of at least C (or 55).

Senior citizens
Senior citizens (65 years of age and over) are admitted to full and part-time studies without tuition charges.

Graduate programs
Master of arts and master of science: Candidate must have qualified for a bachelor's degree with superior achievement and have fulfilled the undergraduate requirements for a major in the field of graduate study.

Master of adult education: Candidate must have completed a bachelor's degree with major concentration in 1 of the behavioral sciences; should have a minimum of 2 years post-baccalaureate experience in work relating to human (resource) development; normally will be interviewed by faculty. Students enter the department in January, September and summer each year.

Master of arts in teaching: Candidate must hold a bachelor of education degree (or equivalent) and have completed a bachelor's degree with major (or equivalent) in the field of graduate study. Specific average and rank in undergraduate program.

Master of education: Candidate must have qualified for the bachelor of education degree (or equivalent). Specific average and rank in undergraduate program.

International students
Official records of academic work must be forwarded from the high school directly to the university and not enclosed with application forms.

Applicants who reside outside the USA must provide proof of their ability to use English as a spoken language. Academic records must indicate if English was the language of instruction. If it was not, TOEFL scores must be submitted, minimum score required is 550.

USA: High school graduates who have completed 16 academic subjects will be considered for admission to a 4-year degree program. The following subjects are required. Arts, music, secretarial arts programs: 3 English and 12 other subjects. Business administration: 4 English, 3 mathematics and 9 other academic subjects. Science, nutrition and consumer studies, and engineering diploma: 4 English, 3 mathematics, 4 science and 4 other academic subjects. Physical education: 4 English, 4 science and 8 other academic subjects.

Other: The basic admission policy requires the equivalent of a GCE certificate at the O-level, including English and 4 other academic subjects, with no mark below the "C" standing or equivalent. English, mathematics, 2 sciences and 1 other academic subject are required for admission to programs in the science faculty.

The International Baccalaureate is accepted as high school graduation, advanced standing in certain courses but no transfer credit may be granted.

Application Deadlines

Final date for filing applications, July 15 for North American applicants, April 1 for overseas. All supporting academic documents must be received by August 1. For spring and summer semester, June 1.

Costs (1989-90)

Tuition: Full-time (4 or more courses per year) arts and science fees per year, $1,825 (Canadians and permanent residents), $3,525 (international students). Summer school and part-time (up to 3 courses per year), undergraduate and graduate, $375 per course.

Residence: Double room and board (12 meals per week) $3,780; single room and board (12 meals per week), $4,035; 10, 14 & 19 meal plan is also available. Meal plan for non-resident students range from $1,810 (10 meals per week) to $2,055 (19 meals per week).

Application fee: $20.

Students fees: $101.

All fees subject to change without notice.

Academic Year

Winter session: Mid-September to mid-May. Summer school: Early July to mid-August.

Grading System

A, 80-99; B, 70-79; C, 60-69; D, 50-59.

In all undergraduate degree programs: Pass mark of 50%, with an average in general program, 55%; major, 60%, honors, 70%. Honors degree distinctions: Class I, 80-100%; class II, below 80%.

Student Life and Services

The student council is elected on a constituency basis representative of residence. Students are represented on the board of governors, senate and various committees.

The university has strong intramural and varsity programs in football, hockey and basketball. Other facilities include judo, wrestling and weight lifting. Students have an on-campus radio station and publish a weekly newspaper, the Xavarian. The drama and choral groups combine to present concerts and plays throughout the year. Many student organizations under the student council are actively engaged in activities such as debating, the law society, the business administration society, the chemistry society, the engineering society and so forth.

There is an international students association on campus. International students should contact the international student advisor, E. Foshay at (903) 863-3300 for more detailed information.

There are residence facilities for 1,300 students and a meal plan is available for off-campus students.

Two day care facilities in Antigonish provide services to students, staff and faculty of the university.

A physician has regular office hours during the day and is available on call for emergency service. The medical and surgical expenses of all Canadian students will be covered by the medical plan of the student's home province.

The university provides a guidance centre to assist students with problems of an educational, vocational or personal nature.

Employment and Immigration Canada, in co-operation with the university, maintains a full-time placement office.

Research Institutes

Biochemical Research Institute. Contact: J.J. MacDonald, PhD

Theoretical Physics Institute. Contact: J.J. MacDonald, PhD

Collège militaire royal de Saint-Jean*

English version follows/Le texte anglais se trouve à la suite.

Renseignements généraux

Adresse : Saint-Jean-sur-Richelieu (Québec) J0J 1R0
Téléphone : (514) 346-2131

Commandant: Brigadier-général R.A. Dallaire, OMM, CD, ADC

Demandes de renseignements : Prière d'adresser la correspondance générale aux centres de recrutement des Forces canadiennes.

Demandes de renseignements d'ordre scolaire : Prière d'adresser la correspondance au secrétaire général, Michel Pageau, CD, BA, MPs

Agent de liaison scolaire : directeur du centre de ressources didactiques, Capitaine L. Aubé, CD, BPéd, BEd

Professeurs à plein temps (1989-1990) : 120

Historique et statuts

Le Collège militaire royal de Saint-Jean (CMR) est situé sur la rive ouest du Richelieu, un peu au sud de la ville de Saint-Jean. Certains bâtiments que le CMR occupe aujourd'hui ont été érigés vers 1839 et abritaient diverses unités cantonnées au Fort Saint-Jean. Cependant, depuis l'ouverture du collège en 1952, plusieurs nouveaux bâtiments ont été construits.

L'emplacement était tout désigné, du point de vue historique, pour recevoir cet établissement bilingue, le Fort Saint-Jean ayant occupé une place importante dans l'histoire du Canada. Tout au long du régime français, le fort a contribué au soutien des postes avancés qui gardaient la voie d'invasion formée par le lac Champlain et le Richelieu. Durant la révolution américaine, au cours de l'été 1775, le Fort Saint-Jean résista pendant 45 jours au siège de Montgomery, retardant son avance à tel point que l'assaut sur Québec se solda par un échec complet. Cette défense du fort était la première fois que des soldats canadiens de langue française et de langue anglaise unissaient leurs efforts pour une cause commune.

La création du CMR en 1952 a permis aux jeunes Canadiens francophones de recevoir une formation militaire dans leur langue maternelle et leur a véritablement donné l'accès à la carrière des armes. De plus, comme le programme comporte 2 années d'études collégiales, le collège peut admettre les diplômés d'écoles secondaires. Enfin, le CMR est un collège bilingue où les jeunes Canadiens suivent des cours dans leur langue maternelle (le français ou l'anglais), tout en apprenant l'autre langue officielle de notre pays.

Le Collège militaire royal de Saint-Jean est demeuré affilié à l'Université de Sherbrooke qui sanctionnait ses diplômes jusqu'en juin 1985. A cette date, le collège a obtenu sa propre charte universitaire du gouvernement de la province de Québec et décerne depuis ses propres diplômes.

Le CMR est un établissement d'enseignement collégial et universitaire, bilingue, mixte et non confessionnel du ministère de la Défense nationale. Il est régi par un conseil général académique de 16 membres, un sénat de 10 membres (dont le président et chancelier est le ministre de la Défense nationale) et par un conseil des études de 18 membres.

Bâtiments et terrains

Le Collège militaire royal de Saint-Jean se situe à Saint-Jean-sur-Richelieu, une localité de 36 000 âmes sise au bord du Richelieu à environ 20 minutes au sud-est de Montréal.

Le collège se compose d'une quinzaine de bâtiments principaux. Deux sont consacrés à l'enseignement, 2 autres aux sports et à l'entraînement militaire et 4 sont des dortoirs. Le reste est destiné à l'administration et autres fins connexes.

Bibliothèques

La bibliothèque du collège possède une collection d'environ 160 000 volumes, brochures, périodiques et publications gouvernementales. L'accroissement annuel est d'environ 4 000 volumes et les abonnements aux périodiques se chiffrent à 800. La collection couvre à peu près tous les domaines, mais porte davantage sur les matières enseignées au collège : informatique, gestion, sciences humaines, chimie, physique, mathématiques, ingénierie, études stratégiques, psychologie, littérature anglaise et littérature française.

Les services offerts incluent le service d'information, de recherche bibliographique informatisée et la téléréférence. La bibliothèque est à la disposition des élèves-officiers, des professeurs et des membres du personnel du collège.

Programmes et grades

Le CMR offre des cours d'une durée de 5 ans conduisant à l'obtention des diplômes suivants : BAdm, BSc et BA. Pour l'obtention de certains diplômes, il peut être nécessaire qu'un étudiant ait à terminer les 2 dernières années dans un autre collège militaire.

Un baccalauréat exige 3 années d'étude et un minimum de 90 crédits après la réussite des 2 premières années qui sont de niveau collégial.

La durée normale pour la maîtrise sera de 21 mois après l'obtention du baccalauréat.

Le crédit représente 45 heures ou périodes, par session de 15 semaines, consacrées par l'étudiant à une activité de formation (cours, recherche, laboratoires, séminaires, travail personnel).

* Membre ordinaire de l'AUCC

Administration
Baccalauréat en administration

Arts
Baccalauréat ès arts. Études militaires et stratégiques (spécialisation et BA avec ou sans mineure en psychologie). Études canadiennes avec mineure en administration.

Sciences
Baccalauréat ès sciences. Sciences informatiques avec un choix de 3 concentrations (systèmes, gestion, recherche opérationnelle), physique, physique-mathématiques et physique appliquée, sciences générales (avec ou sans concentration en chimie).
Maîtrise ès sciences. Recherche opérationnelle.

Conditions d'admission

Exigences d'ordre général. Pour être admis au CMR, il faut être citoyen canadien de préférence, avoir atteint l'âge de 16 ans le ou avant le 1er janvier de l'année d'enrôlement. Pour être admis en préparatoire, de préférence ne pas avoir atteint l'âge de 20 ans le ou avant le 1er janvier de l'année d'enrôlement. Pour être admis en première année, de préférence ne pas avoir atteint l'âge de 21 ans le ou avant le 1er janvier de l'année d'enrôlement, satisfaire à la cote médicale minimum requise pour l'enrôlement, avoir réussi les examens prescrits préalablement à l'enrôlement, être célibataire et avoir un dossier scolaire qui satisfait aux exigences établies par le collège.

Conditions d'admission : année préparatoire, les candidats doivent avoir obtenu le certificat du secondaire V ou l'équivalent. En outre, ils devront avoir suivi avec succès les cours suivants :

Candidats du Québec : français ou English (langue maternelle); mathématiques (séries 528 ou 534 ou 538); physique (séries 424 ou 434 ou 454 ou 534); chimie (séries 444 ou 464 ou 564).

Candidats de l'Ontario : diplômes "OSSD" ainsi que les sujets de la division senior niveau avancé pour : français ou English; mathématiques (11e et 12e années); physique; chimie.

Tous les autres candidats : français ou English (langue maternelle); physique; chimie; mathématiques (algèbre, géométrie, fonctions).

Note : Le CMR accepte aussi dans certains programmes des candidats après l'immatriculation sénior.

Étudiants étrangers

Seuls les citoyens canadiens sont admis. Le CMR prend en considération les demandes d'admission d'étudiants canadiens ayant terminé leurs études à l'étranger.

Frais (1989-1990)

Les élèves-officiers peuvent être admis en vertu du programme de formation d'officiers de la force régulière (PFOR) ou du programme de formation (intégration à la réserve) (PFIR).

Tous les frais des élèves-officiers du PFOR sont payés en échange du service militaire après l'obtention de leur diplôme. Les élèves-officiers du PFIR versent des droits annuels de 1 080 $ pour la scolarité, les manuels et l'uniforme, plus 240 $ par mois pour le logement et la nourriture. Ils versent aussi 240 $ par an en cotisations au club des loisirs et au mess des élèves-officiers et en frais divers.

Année universitaire

L'année universitaire est divisée en 3 sessions. Les sessions d'automne et d'hiver réunies correspondent à une période d'instruction de 30 semaines, y compris les périodes d'examen. De septembre à mai inclusivement, environ 85 % de l'instruction se donne dans les matières universitaires et le reste est réservé aux disciplines militaires. La session d'été est de juin à la mi-août et est consacrée à la formation militaire pratique dans les Forces armées.

Système de notation

Le système de notation s'établit comme suit: A, 100-75 %; B, 74-66 %; C, 65-60 %; D, 59-50 %; E ou ECHEC, moins de 50 %.

Vie étudiante et services aux étudiants

Tous les élèves-officiers doivent résider au collège et tous les services aux étudiants leur sont fournis.

Les élèves-officiers des cours réguliers sont membres des Forces armées canadiennes et ont droit aux services médicaux sans frais.

En tant qu'établissement militaire, le collège fournit tous les services d'orientation militaire, lesquels sont assurés par des officiers et des élèves-officiers. L'orientation universitaire est assurée par le bureau du secrétaire général et par les départements.

Chaque élève-officier a pour conseiller un commandant d'escadron des Forces régulières et un professeur.

Les élèves-officiers qui participent au programme d'instruction pour la formation d'officiers de la Force régulière bénéficient du plein montant des subsides pendant toute la durée du programme. Les élèves qui participent à ce programme de même qu'au programme de formation des officiers de la réserve passent l'été dans diverses unités des Forces armées canadiennes qui les préparent à leur future carrière dans le corps des officiers du Canada.

Autres collèges militaires du Canada

Royal Military College of Canada, Kingston (Ontario). Voir chapitre correspondant.

Royal Roads Military College, Victoria (C.-B.). Voir chapitre correspondant.

Collège militaire royal de Saint-Jean*

General Information

Address: Saint-Jean-sur-Richelieu, Quebec J0J 1R0
Telephone: (514) 346-2131

Commandant: Brigadier-General R.A. Dallaire, OMM, CD, ADC

Inquiries: Canadian Forces recruiting centres.

Inquiries: Direct general correspondence to the registrar Michel Pageau, CD, BA, MPs

High school liaison officer: Director of the audio-visual resources centre, Captain L. Aubé, CD, BPed, BEd

Full-time faculty (1989-90): 120

History and Governance

Le Collège militaire royal de Saint-Jean (CMR) is located on the west bank of the Richelieu River on the southern fringe of the town of Saint-Jean in Quebec's Richelieu Valley. The original buildings, still in use at CMR, were built around 1839 and were used by various military units which occupied Fort Saint-Jean. Since the opening of the college in 1952, many new facilities have been added.

The site selected for CMR was historically right for this bilingual institution, Fort Saint-Jean having been closely connected with the history of Canada. Throughout the French regime, the fort helped maintain the advanced posts guarding the invasion route formed by Lake Champlain and the Richelieu. In the fall of 1775, during the American Revolution, Fort Saint-Jean withstood General Montgomery's siege for 45 days, delaying him to the point that his assault on Quebec was severely hampered by the onset of winter and ended in complete failure. The defence of the fort was the first time English-speaking and French-speaking Canadian soldiers were united in a common cause.

The opening of CMR in 1952 offered French-speaking candidates equal opportunity for a military career by providing a military college education in their mother tongue. CMR provides a pre-university year of study, which enables the college to admit graduates of secondary schools with junior matriculation. Above all, CMR was established as a bilingual college where young Canadians could take courses in their mother tongue (French or English) and learn the other official language.

CMR was affiliated with the University of Sherbrooke which was granting its degrees until June 1985. At that time, CMR obtained its own degree-granting charter from the Quebec legislature.

Le Collège militaire royal de Saint-Jean is an institution giving courses at the collegiate and university levels. It is a Department of National Defence, bilingual, co-educational and non-denominational institution. It is governed by a 16-member general academic council, a 10-member senate (whose president and chancellor is the Minister of National Defence) and by an 18-member faculty council.

Buildings and Grounds

Le Collège militaire royal de Saint-Jean is located at Saint-Jean-sur-Richelieu, a city of approximately 36,000 people, built on the Richelieu River 20 minutes south-east of Montreal.

CMR has some 15 buildings: 2 are teaching buildings, 2 are athletic and military facilities, 4 are dormitories and the others are administrative buildings.

Library

The library contains approximately 160,000 books, pamphlets, periodicals and government publications. The collection is growing at the rate of 4,000 books per year and the library subscribes to 800 periodicals. The collection deals with various topics, but covers particularly the following academic subjects: Administration, social sciences, physics, chemistry, mathematics, engineering, strategic studies, psychology, and English and French literature.

Services provided include information services and bibliographic searches and on-line information retrieval. The library facilities are extended to the officer cadets, professors and other members of the college staff.

Programs and Degrees

CMR offers 5-year programs leading to the degrees of BAdm, BSc and BA. Engineering programs require the completion of the last 2 years in another military college.

A bachelor's degree requires 3 years of study and minimum of 90 credits after the successful completion of 2 years of collegiate studies. The normal duration for the completion of a master's degree is 21 months.

A credit represents 45 hours or periods per 15-week term devoted by the student to a learning activity (courses, research, laboratories, seminars, individual work).

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Administration

Bachelor of administration

Arts

Bachelor of arts in military and strategic studies (honors and BA with or without a minor in psychology), Canadian studies with a minor in administration.

Science

Bachelor of science in computer sciences with a choice of 3 concentrations (systems, management and operational research), physics, mathematical-physics and applied physics, general sciences (with or without concentration in chemistry).
Master of science in operational research

* Ordinary member, AUCC

Admission Requirements

General qualifications

A candidate must be a Canadian citizen and have preferably reached the 16th birthday on or before January 1st of the year of enrolment. For entry in the preparatory year, applicants must be preferably under 20 years of age on January 1st of the year enrolment. For entry in first year, applicants must preferably be under 21 years of age on January 1st of the year of enrolment. All must meet the medical standards for enrolment, obtain a passing standing in a series of pre-enrolment tests, be single and possess the necessary academic qualifications.

Academic requirements for preparatory year: Candidates must have completed their junior matriculation. In addition, specific academic requirements for preparatory year at CMR include the following:

Quebec applicants: Français or English (mother tongue); mathematics (series 528 or 534 or 538); physics (series 424 or 434 or 454 or 534); chemistry (series 444 or 464 or 564).

Ontario candidates: OSSD diploma and the following senior division advanced level subjects: English or français; mathematics (Grades 11 and 12); physics; chemistry.

All other applicants: Français or English (mother tongue); physics; chemistry; mathematics (algebra, geometry and trigonometry or relations and functions).

Note: CMR also accepts applicants in some programs after senior matriculation.

International students

Only Canadian citizens are admissible. Canadian students who have completed studies in other countries, are taken into consideration.

Costs (1989-90)

Students may be admitted under the regular officer training plan (ROTP) or under the reserve entry training plan (RETP).

ROTP cadets have all fees paid on their behalf in exchange for military service following graduation. RETP cadets pay an annual college fee of $1,080 to defray the costs of tuition, books and military clothing, and $240 monthly for residence and meals. Recreation club, cadet mess and miscellaneous fees of $240 annually are also charged.

Academic Year

The college year is divided into 3 terms. Autumn and winter terms together provide a period of 30 weeks instruction including examination periods. From September to May inclusive, approximately 85% of instruction is in academic subjects and the remainder in military subjects. The summer term, extending from June to mid-August, is spent in practical military training with the Armed Forces.

Grading Systems

Standing is graded as follows: A, 100-75% ; B, 74-66%; C, 65-60%; D, 55-50%; E or Fail, less than 50%.

Student Life and Services

Cadets are required to live in residence and all student services are provided. Regular cadets are members of the Canadian Armed Forces and receive medical services free of charge.

As a military institution, the college provides all military counselling through cadet and officer counsellors. Academic counselling is provided through the registrar's office and academic departments. Each cadet has a regular force squadron commander and an academic instructor as a counsellor.

Cadets who are members of the ROTP receive full subsidization for their entire program. Both ROTP and RETP students spend the summer at various Canadian Armed Forces units training for future careers as members of Canada's officer corps.

Other Canadian Military Colleges

Royal Military College of Canada, Kingston, Ontario. See separate entry.

Royal Roads Military College, Victoria, British Columbia. See separate entry.

The University of St. Jerome's College*

General Information

Address: Waterloo, Ontario, N2L 3G3
Telephone: (519) 884-8110

President: Douglas R. Letson, BA, MA, PhD

Inquiries and secondary school liaison: Direct general correspondence to the registrar, Kevin M. Donelson, BA

Full-time faculty (1989-90): 29

History and Governance

St. Jerome's College was founded in 1865 by the Reverend Dr. Louis Funcken, of the Congregation of the Resurrection, in a log house near St. Agatha, approximately 10 km west of the city of Waterloo. The college was incorporated in 1866 and in that year new and larger quarters were established in Berlin, the original name of Kitchener. Increased enrolments demanded larger facilities.

In 1947 the college became affiliated with the University of Ottawa. The college and high school departments were separated and moved in 1953 to a new campus near the eastern limits of Kitchener.

In March of 1959 a new charter was obtained for St. Jerome's through a private bill in the legislature of the province of Ontario. The name of the college was changed to The University of St. Jerome's College in recognition of the university powers embodied in the new charter, including the power to grant degrees.

At the same session of the legislature, a private bill established the University of Waterloo as a non-denominational institution, and the University of St. Jerome's College entered federation with it in July, 1960.

The University of St. Jerome's College is co-educational and is governed by its own board of governors and the senate of the University of Waterloo.

By agreement with the University of Waterloo, the college holds its degree-granting powers in abeyance. Students earn degrees of the University of Waterloo in the faculties of arts and mathematics.

Buildings and Grounds

The buildings of the University of St. Jerome's College are located on the campus of the University of Waterloo (population of the city of Waterloo 80,000), adjacent to the arts complex and library. The college operates a teaching and administration building including a large service library, and men's and women's residences. An auditorium complex and seminar facilities complete the college complex. St. Jerome's students also have full use of the academic, social, sports and cultural facilities of the University of Waterloo.

Library

The resources of the Dana Porter Arts Library of the University of Waterloo are available to college students. In addition, St. Jerome's maintains a library of standard reference materials and texts relative to the courses taught at the college. This collection totals some 36,000 volumes.

Programs and Degrees

Pass and general bachelor's degrees require 3 years from senior matriculation unless otherwise specified. Honors bachelor's degrees require 4 years from senior matriculation unless otherwise specified.

A credit weight of 1.0 is normally assigned to a 26-week (2-term) course; a credit weight of 0.5 is normally assigned to a 13-week (1-term) course. Courses offered at the University of Waterloo are given credit weights which vary from 0.25 to 1.00 credits or more. The systems used to specify the number of courses that a student must take to satisfy minimum degree requirements differ from program to program and from faculty to faculty.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts

Bachelor of arts (BA) general and honors.

Mathematics

Bachelor of mathematics (BMath) pass program, 4-year general program and honors.

Continuing education

Undergraduate courses offered weekday evenings during fall and winter sessions for part-time students. During summer session, courses offered for undergraduates proceeding to a degree and for teachers seeking to upgrade professional qualifications.

Admission Requirements

See the University of Waterloo chapter.

Costs (1990-91)

Tuition: Full-time (more than 2.0 courses per year), $1,740 (arts), $2,475 (math). Part-time (less than 2.0 courses per year), $368 per full credit. Incidental compulsory from $105. International students pay a differential fee in addition to the regular tuition fee. Fees are approved by the board of governors, University of Waterloo.

Residence: Room and board per year: Double, $3,640; semi-private, $4,130.

All fees subject to change without notice.

Academic Year

Same as for the University of Waterloo.

Grading System

Same as for the University of Waterloo.

* Ordinary member, AUCC. Federated with the University of Waterloo.

Student Life and Services

The men's residence, with accommodation for 131 students, is an ancillary enterprise of the college. Preference among new applicants is given to St. Jerome's students but a number of spaces are available to members of the university at large. During the regular academic year, accommodation can be retained either for the full 8 months or for a single term only. In the summer, economical private rooms are provided for in-term co-operative students. Inquiries should be addressed to the director of residence, S. Sabourin, telephone: (519) 884-8110 ext. 51.

A women's residence conducted by the School Sisters of Notre Dame, provides accommodation for 122 students. Inquiries should be directed to the dean of women, Sr. J. Lattner, Notre Dame College, telephone: (519) 884-2460.

For information on other services available to students of the college, see the University of Waterloo chapter.

St. John's College*

General Information

Address: 400 Dysart Road, The University of Manitoba Campus, Winnipeg, Manitoba R3T 2M5
Telephone: (204) 474-8531
Telex: 075-7591

Warden and Vice-chancellor: Rev. Murdith McLean, BA, LTh, MA, DPhil

Inquiries and high school liaison: Direct general correspondence to the registrar, Tamara Shirtliff

Enrolment and full-time faculty: Data added with the University of Manitoba.

History and Governance

St. John's College began in 1849, was refounded in 1866 by the Bishop of Rupert's Land (Anglican) and received its charter of incorporation in 1871. It is one of the 3 colleges which affiliated in 1877 to create the University of Manitoba. From 1877 until 1914, all university instruction in arts and science was offered by the affiliated colleges while the University of Manitoba acted as an examining and degree-granting body only. The act of 1877 empowered the colleges to confer degrees in theology reserving to the university the right to confer all other degrees. The right of St. John's College to confer theology degrees is preserved to the present.

St. John's College is a co-educational liberal arts and theological college in connection with the Anglican Church of Canada and affiliated to the University of Manitoba. It operates under the authority of the university senate in all academic matters in the faculties of arts and science. With the finalization of new statutes in 1978, the governing structure consists of a 14-member corporation and a 50-member college assembly. The former is responsible for conferring degrees, managing property and financial affairs, appointing college officers and general oversight of the college's activities. The latter is concerned with the administration of the college, student affairs, program planning and development, membership in the college and, in general, the daily activities of the college.

Buildings and Grounds

St. John's College comprises almost 3 acres on the campus of the University of Manitoba (population of Winnipeg, 578,217). Three main buildings include the academic and administration building, the residence and the chapel.

Library

The library contains approximately 40,000 volumes including special collections in theology and Canadiana. Students of St. John's College use, on equal terms with students of the university and other colleges, the University of Manitoba libraries and the St. Paul's College library.

Programs and Degrees

For general information on arts, science and other degree programs, see the University of Manitoba entry.

Three credits normally represent 3 lecture hours per week for 1 term. Six credits is usually equivalent to either 3 lecture hours per week for 2 terms or 6 lecture hours per week for 1 term. Extra credits may occasionally be awarded for labs or particularly demanding courses.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Theology

The major thrust of the faculty lies in the Centre for Lay Ministry. This provides short courses on week nights and weekends, normally consisting of 6 sessions. These courses aim at general christian education for the lay person, but also train people for specific lay ministries. Courses can be taken for credit towards a lay certificate, or with additional work, for academic credit towards a licentiate or master of divinity.

In addition, the college supervises training for ordination for both non-stipendiary and stipendiary ministry. Extension courses are also offered.

Some of the academic requirements for ordination are met through courses offered in the department of religion and other departments of the University of Manitoba, and the balance through a supervised auxiliary program of professional studies in the college.

Bachelor of theology (BTh) 3 years following at least 1 year of university education.

Bachelor of ministry (BMin) 3 years following a qualifying year as a mature applicant.

Testamur diploma. Five years part-time program for non-stipendiary clergy.

Master of divinity (MDiv) 3 years from bachelor's degree.

Special program

Canadian studies program: Major/minor and honors programs in Canadian studies are offered at the University of Manitoba and most courses are available at St. John's College.

Continuing education

Summer session courses are offered in co-operation with the University of Manitoba.

Non-credit courses in lay ministry, parish ministry and orientation program for workers in northern native communities are available.

Admission Requirements

Arts, science and other faculties, see the University of Manitoba entry. Applicants to theology must normally be graduates of a recognized university and be

* Ordinary member, AUCC. Affiliated with the University of Manitoba.

acceptable as candidates for ordination by the bishop of their diocese. Students lacking this academic requirement may be accepted for alternative programs.

Costs (1990-91)

Tuition: Full-time undergraduate and graduate per year in arts, science, and other faculties, see the University of Manitoba entry. Full-time fees (4 courses or more) in the faculty of theology: $1,400 plus textbooks and supplies of $300.

Residence: Single room and board, $4,054.

Student fees: $50.

College membership fee: $10 plus $50 for first year students orientation fee.

All fees subject to change without notice.

Academic Year

Winter session: Beginning of September to end of April. Summer session (day and evening courses) July and August. Intersession: May to June.

Grading System

Same as the University of Manitoba. See separate chapter.

Student Life and Services

The St. John's student council, composed of elected and appointed members, promotes a wide range of cultural, social and athletic activities throughout the college. It also oversees the publication of a yearbook and an occasional newspaper.

On-campus residence accommodation in single rooms with full board (3 meals a day) is available for 47 women and 52 men. Laundry, recreational and dining facilities are located in the residence. For other housing, consult the university's off-campus housing office.

In the college chapel, regular services are conducted on weekdays and Sundays for interested members of the university community and the college chaplain is available to all students.

International students should contact the registrar upon arrival for further information.

The university day-care centre gives priority to children of the students, faculty and staff of St. John's College. Telephone: (204) 269-7773.

Students have access to all services and facilities provided by the University of Manitoba and are members of the University of Manitoba student union. For details, see the University of Manitoba entry.

Saint Mary's University*

General Information

Address: Halifax, Nova Scotia B3H 3C3
Telephone: (902) 420-5400
Envoy: KEN.OZMON
Fax: (902) 420-5561 (library)
Fax: (902) 420-5566 (senior administrators)

President: Kenneth L. Ozmon, BA, MA, PhD

Inquiries: Direct general correspondence to the registrar, Elizabeth A. Chard, BA, BEd, MA

High school liaison and director of admissions: Greg Ferguson, BCom

Full-time faculty (1989-90): 219

History and Governance

Saint Mary's University was founded in Halifax, Nova Scotia in 1802 and an 1841 act of the Nova Scotia legislature gave it university status. From its beginning the university was a church-related institution under the auspices of the Roman Catholic diocese of Halifax. In July 1970, it was reincorporated under a new act as a non-denominational university. Christian values continue as part of its educational foundation. Throughout most of its history the university was an all-male institution but in 1968 it became fully co-educational. The primary emphasis at Saint Mary's is personalized student- centred education.

Saint Mary's University is a public, co-educational, non-denominational university with control vested in a 29-member board of governors and an academic senate.

International Mandate

The international activities committee co-ordinates and advises the university administration on international activities. The university carries out international training courses and academic exchanges as well as study and research programs. The International Education Centre conducts an extensive community educational program on international affairs including a major program with schools. Contact: Dr. John C. O'C. Young, acting vice-president, academic and research. Telephone: (902) 420-5406.

Buildings and Grounds

The university is located in south Halifax, a city with a population of 114,000 in a metropolitan area of 280,000 people. The campus comprises 30 acres. On campus there is an academic and main administration building, an academic/residence complex, a student residence complex, a science building, library, student centre, winter arena, football stadium, athletic-recreation complex, astronomical observatory, computer centre, art gallery, international education centre, learning resources centre and a centre for the support of disabled students.

Library

The library contains approximately 270,000 volumes, 1,817 periodical titles and a complete ERIC document collection. Computerized bibliographical informational retrieval from all major systems available and a multi-media centre with playback facilities containing microfilm, microfiche, records, A-tapes, V-tapes and slide transparencies. The Ferguson Library for the print handicapped consists of titles on cassettes as well as short stories and selections from books.

Programs and Degrees

Pass and general bachelor's degrees require 4 years of study (20 courses) from junior matriculation and 3 years of study (15 courses) beyond senior matriculation unless otherwise indicated. Honors bachelor's programs require 15 courses beyond second year university unless otherwise specified. Master's degrees normally require 4 courses plus thesis, covering 1 or 2 years, from honors bachelor's degree unless otherwise specified.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts

Bachelor of arts (BA) pass and honors.
Master of arts in history (MA), master of arts in philosophy (MA), master of arts in Atlantic Canada studies. Two years after regular (pass) undergraduate degree or 1 year after honors undergraduate program by normally 4 courses, examinations and thesis. Part-time study possible.

Commerce

Bachelor of commerce (BCom) general program, 5 years from junior and 4 years from senior matriculation. Honors program, 20 courses after first year.
Master of business administration (MBA) 2 year program (or may be taken part-time) from bachelor's degree plus satisfactory score on GMAT.
Also available is an executive master of business administration degree offered over a period of 24 months to senior executives. Special entrance requirements and courses information available on request.

Education

Bachelor of education (BEd) 1 academic year (6.5 courses) beyond a first bachelor's degree.
Bachelor of education (vocational education) [BEd(Voc)] A minimum of 12 courses for BA degree and 2 courses and a practicum for BEd to those who already hold a vocational teaching licence.
Bachelor of education in association with the Nova Scotia Teachers College. A minimum of 5 courses (3 in arts and 2 in education) for those who already hold an associate in education from NSTC.

* Ordinary member, AUCC

Master of arts in education (MA) 1 year program of 4 courses plus thesis or 5 courses. Part-time studies available.
Master in education (MEd) 1 year program of a minimum of 5 courses. Part-time studies possible.

Engineering
Diploma in engineering (DipinEng) 3 years beyond junior matriculation. Arrangements with other Canadian universities permit holders of this diploma to attain engineering degree in an additional 3 years. After 2 years (beyond junior matriculation) students may enter engineering and architecture programs at Technical University of Nova Scotia.

Science
Bachelor of science (BSc) pass and honors. Co-operative programs are available in chemistry, geology and computing science.
Master of science in astronomy (MSc) 2 years beyond bachelor's degree in physics or mathematics. Six graduate level courses plus thesis. Part-time study possible.
Master of science in applied psychology (MSc) 2 years beyond honors bachelor's degree in psychology. Minimum of 4 graduate-level courses plus thesis. Part-time study possible.

Special programs
Asian studies: Aside from normal university requirements for a bachelor of arts degree, candidate must complete 5 full-course credits in anthropology, economics, history, political science and religious studies.

Atlantic Canada studies program: Aside from normal university requirements students must complete 6 full courses (or half course equivalents) from several disciplines including Atlantic Canada studies, anthropology, biology, history, economics, geography, French, English, political science and sociology.

China program: The Canada/China language and cultural program, established in 1982 as part of an ambitious development program for China in the areas of human resource development, agriculture, forestry, and energy, is financed by the Canadian International Development Agency (CIDA). Students and faculty members are involved in exchanges for teaching and study purposes.

Criminology certificate program: Aside from normal university requirements for the faculty of arts, student must complete a specific program of studies which includes a minimum of the equivalent of 5 full courses in sociology.

Architecture: In association with Technical University of Nova Scotia, Saint Mary's offers the first 2 years of a 6-year program in architecture leading to bachelor of architecture.

Continuing programs
On-campus evening and summer session courses leading to degrees in arts, commerce, education and science, to diploma in engineering; to the certificate in criminology; and to masters degrees. Off-campus courses offered in evening and summer sessions in Bridgewater, Cole Harbour, Dartmouth, Springhill, Shearwater, Truro, Lower Sackville (Nova Scotia) and downtown Halifax.

On-campus evening and summer courses in management, accounting, real estate, personnel, criminology, electronics and variety of general interest courses in arts, letters and science.

Admission Requirements

Undergraduate
Nova Scotia: Applicants must have Nova Scotia Grade 11 (junior matriculation) or equivalent with satisfactory grades in English and 4 other academically recognized subjects. Those intending to concentrate in commerce, engineering or science must include mathematics as 1 of the 5 courses taken. Science and engineering students must also present 2 courses in science subjects. Nova Scotia applicants may also present Grade 12 (senior matriculation) for admission with satisfactory grades in English and 4 other academically recognized subjects.

Other provinces: New Brunswick and Prince Edward Island applicants entering with Grade 12 are generally subject to provisions outlined for Nova Scotia Grade 12 students. Those who do not meet requirements but hold a high school graduation certificate may be accepted into 4-year degree as is the case for Nova Scotia Grade 11 applicants. Newfoundland applicants who have completed Grade 11 may be admitted to 4-year program. Quebec applicants must have high school leaving certificate. First year CEGEP with high standing may be considered equivalent to Nova Scotia Grade 12. Ontario applicants must have Grade 12 or 5-year program. Those with Grade 13 will ordinarily be admitted to 3-year degree or 4-year honors program except in commerce where the programs require an additional year of study. Manitoba, Saskatchewan and Alberta students must have Grade 11 certificate. Those with Grade 12 may be considered for 3-year degree or 4-year honors program. British Columbia applicants must have completed 4-year secondary school program.

Mature students
Applicants who do not meet normal admission requirements and who are at least 22 years of age and have been out of school for at least 5 years may apply as mature students. They must show, through work experience or in other ways, ability to benefit from university studies. Each mature student is considered on an individual basis.

Senior students
Students 60 years of age and over are required to meet normal admission requirements. They are granted tuition waivers.

Graduate
Bachelor's degree or equivalent with knowledge of proposed field of specialization satisfactory to department concerned. Preference given to those with honors degree. Admission granted only to those who show promise of success.

International students

Quotas on the number of international students do not exist but the deadline for receipt of applications should be respected in order to be considered for admission. A student whose first language is not English or who has not attended an English language secondary school is required to take an English language test. These are administered by the University of Michigan (90 minimum acceptable score), the College Entrance Examination Board and the University of Cambridge (aggregate grade of C or higher). Normal TOEFL score required is 550.

USA: Applicants who have graduated from high school with 16 points, 4 in English and 12 in other academic subjects, considered for admission to 4-year degree program or 5-year honors program. Those seeking admission to engineering and science must have 3 points in mathematics and at least 3 points in science subjects. Students seeking admission to commerce must have 3 points in mathematics. Must present high school transcript, confidential evaluation from school principal or counsellor and CEEB and SAT scores. High school graduates with excellent grades, test scores and recommendations may be considered for advanced standing in relevant subject areas. Those with a year or more of university or college may be considered for additional advanced credit.

Other: Equivalent of 4 years at North American high school or completion of English GCE at O-level. Passes must be in at least 5 subjects including English for arts; English, mathematics and 2 science subjects for engineering and science; English, mathematics and 3 other subjects for commerce. Students with GCE A-levels may be considered for advanced standing.

Students submitting the International Baccalaureate and advanced placement examination results from the College board will be considered for admission and advanced standing.

Application Deadlines

Applications should reach the university by August 1 (March 1 for education) for Canadian students and April 1 for international students who require visas or student authorizations. June 1 is the deadline for filing completed applications for the criminology certificate program.

Academic Year

Regular session: Early September to early May. First summer session: Mid-May to end of June (6 weeks). Second summer session: Early July to mid-August (6 weeks).

Grading System

Undergraduate rating, grades and quality points: Excellent, A+, A (4.0); A-(3.67); very good, B+, (3.5); good, B (3.0); B- (2.67); satisfactory, C+ (2.33); C (2.0); C- (1.5); marginal pass, D (1.0); fail, F (0.0); approved withdrawal, W; aegrotat standing, AE. A cumulative quality point average of at least 1.5 is required for graduation.

Graduate rating, grades and quality points: Excellent, A, 4.0; good, B+, 3.5; satisfactory, B, 3.0; below graduate standard, B-, 2.5; marginal pass, C, 2.0; failure, F, 0; aegrotat, AE; authorized withdrawal, W. A quality point average of 3.0 is necessary for graduation.

Student Life and Services

The Saint Mary's University students' representative council represents all full-time students registered at the university and is governed by an elected students' council. Its objectives are to promote the religious, artistic, literary, educational, social, recreational and sporting activities of its members and others.

Each year 5 students are elected to sit on the academic senate of the university and 4 students elected to the board of governors.

There are various societies on campus which deal with different aspects of student life such as the political science association, the biological society, the engineering society, business administration society, Caribbean student society, folk club, the dramatic society, the debating society and the Chinese students association. The university also provides such services on campus as a bookstore, banking facilities, barber shop, beauty salon and mini-market. These are in addition to the facilities provided in the student centre, namely a pub, games room, student offices and radio station.

The high-rise residence complex has accommodation for 1,056 men and women and 105 apartments in family housing units.

The health services unit on campus serves both students and staff. Non- Canadian students who do not qualify for the Nova Scotia hospital insurance coverage are required to pay a compulsory insurance fee, which for 1990-91 is $245 (single coverage) and $353 (family coverage) per student.

The student counselling services offer guidance and counselling without charge to any regularly enrolled student. Counsellors with professional training are available to assist all students with matters of personal, financial, social, educational or vocational adjustment.

Chaplains are also on staff to provide religious leadership and services for students of many denominations.

As a member of the Atlantic Universities Athletic Union and the Canadian Interuniversity Athletic Union, the university offers both male and female students a number of varsity teams on which to compete as well as a significant number of intramural, recreational, and tournament sports. The recreation and fitness centre "The Tower", opened in September, 1987.

Special apartments in the university residence have been equipped for the use of physically challenged students, especially those in wheelchairs. A volunteer-readers' program and assistance in the library are available to blind students. These students should make themselves known to the director of student services,

telephone (902) 420-5608. The Atlantic Centre of Support for Disabled Students is located on campus.

There is also an International Education Centre located on campus. International students should contact the director of student services for assistance, telephone (902) 420-5608.

Employment and Immigration Canada, in co-operation with the university, maintains a full-time student placement office on the campus on a year-round basis. The office assists graduates and undergraduates to obtain permanent, summer or part-time employment and assists local and national employers who wish to recruit at Saint Mary's University.

Research Institutes

Gorsebrook Research for Atlantic Canada Studies. Executive director: Kenneth A. MacKinnon, BSc, MA, PhD

Institute for Human Values. Director: John R. MacCormack, BA, MA, PhD

International Education Centre. Executive director: Jay Woolfrey, BA, MSc

Research Chairs

Thomas d'Arcy McGee Chair of Irish Studies. P. O'Siadhail, BA, MA, PhD

Affiliated College

Ignatius College, Guelph, Ontario N1H 6N6 Telephone, (519) 824-1250. Roman Catholic, men only. Founded in 1913 for training members of the Society of Jesus in English-speaking Canada. Affiliated to the university in 1957. Offers courses toward university degree. President: Very Reverend J.E. le Sarge, sj

University of St. Michael's College*

General Information

Address: 81 St. Mary Street
Toronto, Ontario M5S 1J4
Telephone: (416) 926-1300
Telex: 022-891
Fax: (416) 926-7276

President and Vice-chancellor: Richard M.H. Alway, CM, MA, PhilM, DSL

Inquiries and high school liaison: Direct general inquiries to the registrar, Rev. Richard J. Allard, csb, BA, STB, MA

Full-time faculty (1988-89): 125

History and Governance

St. Michael's College was established in 1852 by the Right Reverend Armand, Comte de Charbonnel, second bishop of Toronto, and placed under the direction of the Basilian Fathers. Classes began on 15 September 1852 and the first commencement was held on 26 July 1853. In the first year 2 students who had entered with advanced standing completed the course in theology and 1 the course in arts. The college was incorporated as an institution of higher learning by an act of the Province of Canada in 1855. It was affiliated with the University of Toronto in 1881 and became a federated theological college in 1887. When the University of Toronto Act was revised in 1906, provision was made for the federation of St. Michael's as an arts college and this was accomplished in 1910. In 1954 the legislature of the province of Ontario gave St. Michael's the right to grant degrees in theology (first exercised in 1955) and in 1958 constituted it as a university in federation with the University of Toronto. During the term of such federation it holds its right to grant degrees in abeyance except in theology.

The University of St. Michael's College has 4 divisions: (1) St. Michael's College, which is part of the faculty of arts and science of the University of Toronto; (2) the faculty of theology, which is part of the ecumenical Toronto School of Theology (federated with the University of Toronto); (3) The Pontifical Institute of Medieval Studies, which is closely associated with the University of Toronto's Centre for Medieval Studies; and (4) the division of continuing education. Degrees in arts, commerce and science are awarded by the University of Toronto; degrees in theology either conjointly by St. Michael's and the University of Toronto or by St. Michael's alone; MA's and PhD's in medieval studies are awarded by the University of Toronto and doctorates and licentiates in medieval studies are granted by the institute. The University of St. Michael's College is a co-educational, Roman Catholic institution. It is governed by a 10-member collegium (with 7 assessor members), a 120-member senate and 3 faculty councils (1 in each division).

Buildings and Grounds

The university is situated on Queen's Park Crescent East on a 6-hectare site adjoining the campus of the University of Toronto. It has 4 teaching buildings, a library, a collegiate church and chapel, a faculty-student centre, and faculty and student residences. Some buildings are accessible to the handicapped. There are limited parking facilities. Metro Toronto has an extensive public transportation system.

Library

The John M. Kelly Library holds 280,000 volumes, 8,900 microfilm and 62,000 audio-visual items, and maintains subscriptions to approximately 1,500 periodicals and serials. Students registered at St. Michael's have full access as well to all of the University of Toronto libraries.

Special collections: Medieval Collection (75,000 volumes) supports an area studies program for the institute and the centre; it embraces language, literature, history, philosophy, theology, art and architecture, and is rich in bibliographical and paleographical work.
Counter Reformation Collection has 3,500 volumes published between 1500 and 1700 by continental and English writers.
Sablé Collection contains about 8,000 volumes pertaining to French Romanticism.
The Newman Collection (750 monographs, 450 microfilms) and the Chesterton Collection (1,000 monographs, 1,800 microfilms) contain virtually all first editions by, and most secondary works about, these authors.
Small collections representing historical interests at St. Michael's.

Programs and Degrees

One full credit normally represents 1 full course requiring either 3 lecture hours per week for 2 terms, or 6 lecture hours per week for 1 term. One half credit is usually equivalent to 3 lecture hours per week for 1 term.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts

Bachelor of arts (BA) As offered by University of Toronto. See separate chapter.

Commerce

Bachelor of commerce (BCom) As offered by the University of Toronto. See separate chapter.

Medieval studies (Pontifical Institute of Medieval Studies)

Licentiate in medieval studies (MSL) 3 years from BA. (See the Pontifical Institute of Medieval Studies under other related institutions related in the University of Toronto chapter).
Doctorate in medieval studies (MSD) 2 years from MSL.

* Ordinary member, AUCC. Hold in abeyance degree-granting powers in arts and science during term of federation with University of Toronto.

Science

Bachelor of science (BSc) As offered by University of Toronto. See separate entry.

Theology

Diploma in theology or religious education. Ten units of Toronto School of Theology work to be achieved full-time in a 12 month period or on a part-time basis within 5 years. One unit is equal to a single 1-hour semester course.

Master of divinity (MDiv) 3 years from BA.

Master in theology (ThM) 1 year from MDiv or equivalent.

Master of religious education (MRE) 2 years from BA plus 2 years of teaching experience or equivalent.

Master of arts in theology (MA) 2 years from BA.

Doctor of philosophy in theology (PhD) 2 years from a degree in theology (MA, ThM, MDiv) with first class standing, including a thesis.

Doctor of theology (ThD) 2 years from a degree in theology (MA, ThM, MDiv) with first class standing, including a thesis.

Special programs

Pontifical Institute of Medieval Studies provides facilities for research into the thought, institutions and culture of the Middle Ages. For further information contact Rev. M. Dimnik, csb, Pontifical Institute of Medieval Studies, 59 Queen's Park Crescent East, Toronto, Ontario, M5S 2C4 telephone, (416) 926-7137.

Continuing education

General interest evening courses are open to the public and are varied in length, format and content. Tuition for such courses is nominal, usually in the $10 per evening range. In addition, particularized workshops, seminars and lecture series are designed in co-operation with professional associations to augment their staff development programs. For further information contact Dr. M. Marrocco, University of St. Michael's College, 81 St. Mary Street, Toronto, Ontario M5S 1J4 telephone, (416) 926-1300.

Admission Requirements

See University of Toronto entry for admission to undergraduate programs. For admission to graduate programs, a bachelor's degree or its equivalent from an accredited institution is required for both Canadian and international students. There is no quota limitation for international students.

Application Deadlines

For undergraduate programs see University of Toronto entry. For MA, PhD, ThM, DMin, MSL and MSD, April 1; for MDiv, MRE and Diploma in theology, June 30.

Costs (1989-90)

Undergraduate fees: Full-time (5 full courses per year), $1,861.25; part-time (1 course per year), $417.75; international students (full-time), $6,061.25; international students (part-time, 1 course per year), $1,257.75.

Graduate fees (1989-90): MSL: Full-time, $1,686.90; international students, $7,074.90. MDiv, MRE: Full-time $1,716; international students, $5,716. ThM: Full-time $1,872.20; international students $4,572.20. ThD: $1,832.20; international students $4,552.20. MA, PhD: Full-time, $2,215.20; international students, $4,805.20.

Application fees: For undergraduates: $50; for graduate students: MSL: $25; all theology programs: $25.

Incidental fees: Include student centre, athletic facilities, campus health service, Hart House, students' administrative council. Incidental fees are included in the above figures.

Residence fees for men: Single room, $2,100; double room, $1,900; partial meal plan (12 meals a week), $1,600.

Residence fees for women: Full board and single room, $3,940; full board and double room, $3,800.

Academic Year

Winter session: Early September to early May. Intersession (theology only): Mid April to mid-May. Summer session (undergraduate): May to August; (theology) early July to mid-August.

Grading System

Same as University of Toronto. See separate chapter.

Student Life and Services

St. Michael's has had student organizations for many decades. It has had student self-government since 1965. The latter is involved in a wide range of cultural and social activities. All students belong to the appropriate student organization in their respective division. Students are represented on faculty councils and on the collegium. The faculty-student centre (Brennan Hall) has an auditorium, meeting-rooms, cafeterias, student offices, a senior common-room, faculty dining-room and a faculty-student lounge. The undergraduate newspaper (The Mike), the yearbook (Windrose) and a literary annual (The Grammateon) have offices in Alumni Hall. There are tennis and basketball courts and a playing field. Alumni Hall contains a well equipped modern theatre seating 270. Clubs on campus include the French and Italian clubs who sponsor cultural activities and the Mickities, a theatre group. Academic, financial and religious counselling is available. There is residential accommodation for 300 men and 360 women (the latter are accommodated at Loretto and St. Joseph's Colleges). St. Michael's students are members of the University of Toronto's students' administrative council and have access to the University of Toronto's day-care centre, international student centre, health services, ombudsman, career-counselling and placement centre, and athletic facilities.

Research Institute

The Pontifical Institute of Medieval Studies. Founded in 1929 the institute is Canada's oldest interdisciplinary research institute in the humanities and includes in its purview all aspects of medieval culture. President: J.A. Raftis, BA, MA, Dr en ScSoc, PhD, FRSC

Université Saint-Paul*

English version follows/Le texte anglais se trouve à la suite.

Renseignements généraux

Adresse : 223, rue Main, Ottawa (Ontario) K1S 1C4
Téléphone : (613) 236-1393
Télécopieur : (613) 236-5278

Recteur : Pierre Hurtubise, omi, MA, LPh, LTh, DHist

Demandes de renseignements : Prière d'adresser la correspondance générale au registraire, Eugène Marcotte, omi, MA, LPh, DTh

Agent de liaison, écoles secondaires : Eugène Marcotte, omi

Professeurs à plein temps (1989-1990) : 62

Historique et statuts

De 1848 à 1965, l'histoire de l'Université Saint-Paul est celle de l'Université d'Ottawa. Le 1er juillet 1965, en vertu d'une loi de la province d'Ontario, l'établissement jusqu'alors désigné comme Université d'Ottawa prenait le nom d'Université Saint-Paul et conservait les 2 chartes, civile et pontificale, qui lui avaient été conférées en 1866 et 1889 respectivement. En même temps était créée une nouvelle corporation autonome qui allait porter le nom d'Université d'Ottawa. Fédérée avec l'Université d'Ottawa, l'Université Saint-Paul a convenu de limiter son enseignement aux facultés de théologie et de droit canon. Elle confère ses grades civils et ses certificats conjointement avec le sénat de l'Université d'Ottawa.

L'Université Saint-Paul est la propriété d'une communauté religieuse de l'Église catholique qui l'administre, mais elle est ouverte à tous les étudiants sans distinction de croyances religieuses. Ses programmes s'adressent aux hommes et aux femmes, aux laïcs, prêtres, séminaristes et membres des communautés religieuses. Le conseil d'administration (5 membres) est chargé du gouvernement général de l'université ainsi que de l'administration de ses biens; le sénat (25 membres) est l'autorité suprême en tout ce qui concerne l'enseignement et la recherche.

Bâtiments et terrains

L'université (un seul édifice) est située sur un terrain de 12 acres au coeur de la cité d'Ottawa. Elle dispose d'un ample espace de stationnement. Une rampe spéciale facilite l'accès aux personnes handicapées.

Bibliothèque

La bibliothèque de l'université contient environ 360 000 volumes, 100 000 microformes et 1 000 périodiques. Elle est particulièrement spécialisée dans le domaine des sciences religieuses et de la philosophie.

Programmes et grades

Les langues d'enseignement sont le français et l'anglais. Les exigences de temps et de crédits varient selon les programmes : voir ci-dessous. Un crédit représente 45 heures consacrées à la participation à un cours. Dans la liste qui suit, l'astérisque indique que les grades sont conférés conjointement par l'Université d'Ottawa et l'Université Saint-Paul; les autres grades sont conférés par l'Université Saint-Paul.

On trouvera des détails sur les programmes au chapitre **Programmes préparant à un grade, un diplôme ou un certificat.**

Droit canonique

Certificat d'études universitaires en droit canonique* 2 trimestres après la 13e année de l'Ontario ou l'équivalent.
Grades civils
Baccalauréat en droit canonique (BDC)* 2 trimestres après le baccalauréat ou l'équivalent.
Maîtrise en droit canonqiue (MDC)* 2 trimestres après le BDC. Sans thèse.
Maîtrise ès arts en droit canonique [MA(DC)]* 2 trimestres après le BDC. Thèse.
Doctorat en philosophie, en droit canonique [PhD(DC)]* 4 trimestres après la MDC.
Grades ecclésiastiques
Baccalauréat en droit canonique (BDC) 2 trimestres après le baccalauréat ou l'équivalent.
Licence en droit canonique (LDC) 2 trimestres après le BDC.
Doctorat en droit canonique (DDC) 4 trimestres après la LDC.

Sciences missionnaires (Institut des sciences de la mission)

Certificat d'études universitaires en missiologie* 2 trimestres après la 13e année de l'Ontario ou l'équivalent.
Maîtrise ès arts en missiologie [MA(Miss)]* avec thèse, 4 trimestres après le BA. Sans thèse, 6 trimestres après le BA.

Pastorale (Institut de pastorale)

Diplôme en sciences pastorales* 3 trimestres après le BA et propédeutique.
Maîtrise ès arts en sciences pastorales [MA(ScPast)]* 5 trimestres après le BA et propédeutique.

Philosophie

Baccalauréat en philosophie (BPh) 2 ans après la première année de la faculté des arts ou l'équivalent, ou 1 année après le BA général avec au moins 24 crédits en philosophie.
Licence en philosophie (LPh) au moins 4 trimestres après le BPh.
Doctorat en philosophie (PhD) au moins 4 trimestres après la LPh.

* Membre ordinaire de l'AUCC. Fédérée avec l'Université d'Ottawa.

Communications sociales (Institut des communications sociales)
Certificat d'études en animation* 2 trimestres après la 13e année d'Ontario ou l'équivalent.
Certificat I en communications sociales* 2 trimestres après la 13e année d'Ontario ou l'équivalent.

Théologie

Certificat d'études universitaires en théologie* 2 trimestres après le DEC ou au moins 1 année du cours des arts.
Grades civils
Baccalauréat en théologie (BTh)* 6 trimestres après le DEC ou au moins 1 année du cours des arts.
Maîtrise ès arts en théologie [MA(Th)]* au moins 2 trimestres après le BTh avec ou sans thèse.
Doctorat en philosophie en théologie [PhD(Th)]* 4 trimestres après la [MA(Th)]
Grades ecclésiastiques
Baccalauréat en théologie (BTh) 6 trimestres après le DEC ou au moins 1 année du cours des arts.
Licence en théologie (LTh) 4 trimestres après le BTh.
Doctorat en théologie (DTh) 2 trimestres après la LTh.

Éducation permanente

Cours et conférences sur le campus et hors du campus, en communications sociales, pastorale, sciences missionnaires et théologie, durant toute l'année universitaire et au cours de l'été, à l'intention des laïcs, des clercs et des membres de communautés religieuses.

Conditions d'admission

1er cycle : pour l'admission en théologie : un DEC ou la première année d'un cours des arts, avec moyenne générale de 65 %. Droit canonique : un baccalauréat ou l'équivalent, avec au moins une mention B.

2e et 3e cycles : programmes de maîtrise : un baccalauréat spécialisé, avec au moins une mention B, ou l'équivalent. Programmes de doctorat : une maîtrise dans le domaine dans lequel le candidat désire poursuivre ses études à ce niveau, avec au moins classe II supérieure.

Programmes conduisant à un certificat (sauf en théologie) : les candidats de l'Ontario doivent avoir terminé leur 13e année d'études. Les autres candidats devront communiquer avec le bureau du secrétaire général pour obtenir des renseignements.

Étudiants étrangers

La scolarité de tout candidat à un programme de 1er cycle doit correspondre au niveau exigé des étudiants de l'Ontario pour fin d'admissibilité. En plus des conditions générales d'admission, chaque faculté établit ses propres conditions en fonction du programme auquel le candidat fait sa demande. On tient compte du baccalauréat international. Chaque candidat doit maîtriser adéquatement le français ou l'anglais. Il n'y a aucun contingentement pour les étudiants étrangers.

Dates limites des inscriptions

Les demandes, pour le trimestre d'automne, doivent être présentées avant le 15 août; pour le trimestre d'hiver, avant le 15 décembre; pour le trimestre du printemps, avant le 15 avril et pour la session d'été, avant le 15 juin.

Frais (1990-1991)

Droits de scolarité : étudiants à temps plein, par trimestre : études supérieures, 770 $; 1er cycle, 665 $; étudiants étrangers, 2 650 $. Etudiants à temps partiel : études supérieures (6 crédits ou moins par trimestre) : 88 $ par crédit; 1er cycle (9 crédits ou moins par trimestre) : 56 $ par credit.
Résidence : environ 650 $ par mois (chambre et pension)
Association des étudiants : à temps plein ; 20 $ par année; à temps partiel; 2 $ par trimestre.
Tous les droits sont sujets à changement sans préavis.

Année universitaire

Trimestre d'automne : du début de septembre à la mi-décembre. Trimestre d'hiver : du début de janvier à la fin d'avril. Trimestre du printemps : du 1er mai à la mi-août. Session d'été : début de juillet à la mi-août.

Système de notation

A+ (90-100 %), exceptionnel; A (85-89 %); A- (80-84 %), excellent; B+ (75-79 %); B (70-74 %), très bien; C+ (66-69 %); C (60-65 %), bien; D+ (55-59 %); D (50-54 %), passable; E (40-49 %), échec avec droit de reprise; F (0-39 %), échec. Au niveau des études supérieures, toutes les mentions en-deçà de C+ correspondent à des échecs.

Vie étudiante et services aux étudiants

L'association des étudiants de l'Université Saint-Paul, fondée vers 1968, est dirigée par un exécutif de 5 membres, élus chaque année par l'assemblée générale des étudiants. L'association prend part à la mise en candidature et à l'élection des représentants étudiants au sein du sénat et des conseils professoraux de l'université et contribue à la vie culturelle, sociale, artistique et sportive sur le campus. En outre, elle coordonne les activités estudiantines et assure la liaison entre les étudiants et les autres organisations universitaires.

L'Université Saint-Paul peut loger 225 étudiants dans ses résidences. Elle dispose également d'un service aux étudiants qui se cherchent un logement hors du campus. Pour renseignements, s'adresser au directeur, service de logement et des résidences, Université Saint-Paul.

Un service d'animation spirituelle assure des célébrations liturgiques, offre une direction spirituelle suivie et s'occupe de toute autre activité susceptible d'améliorer la qualité de vie des personnes.

La librairie universitaire renferme un vaste éventail de publications françaises et anglaises.

On a augmenté les services audiovisuels pour mettre les moyens modernes de communication à la disposition des étudiants. On y trouve des appareils audiovisuels, un studio de télévision, un studio d'enregistrement sonore et une chambre noire.

Un centre de renseignements, service de reproduction, une cafétéria et des salons sont également à la disposition des étudiants.

Instituts de recherche

Centre de recherche. Directeur : P. Hurtubise, omi. Centre auxiliaire : Centre de recherches en histoire religieuse du Canada. Directeur : P. Hurtubise, omi.

Chaire de recherche

Chaire de "Foi et justice sociale". Louis Sabourin, BA, LLL, PhD, src

Établissement affilié

St. Augustine's Seminary, 2661, chemin Kingston, Scarborough (Ontario) M1M 1M3 Téléphone, (416) 261-7207. Cours en anglais seulement, en vue du baccalauréat en théologie. Séminaire catholique. Cours de jour. Affilié en 1964. Grades ecclésiastiques conférés par l'Université Saint-Paul. Membre de la Toronto School of Theology. Recteur : James M. Wingle, MA, STL, STD

Saint Paul University*

General Information

Address: 223 Main Street, Ottawa, Ontario K1S 1C4
Telephone: (613) 236-1393
Fax: (613) 236-5278

Rector: Pierre Hurtubise, omi, MA, LPh, LTh, DHist

Inquiries: Direct general correspondence to the registrar, Eugene Marcotte, omi, MA, LPh, DTh

High school liaison officer: E. Marcotte, omi

Full-time faculty (1989-90): 62

History and Governance

From 1848 to 1965, Saint Paul University and the University of Ottawa have a common history. On July 1, 1965, through an act of the Ontario legislature, the institution formerly known as the University of Ottawa was given the name Saint Paul University and retained the 2 charters, civil and pontifical, which were conferred in 1866 and 1889 respectively. At the same time, a new and independent corporation was created to be designated as the University of Ottawa. Federated with the University of Ottawa, Saint Paul University has agreed to limit its teaching to the faculties of theology and canon law. It confers its civil degrees and certificates conjointly with the senate of the University of Ottawa.

Saint Paul University is owned and operated by a religious order of the Roman Catholic Church, but it is open to students of all religious denominations. It offers its programs to men and women, lay people, priests, seminarians, and members of religious orders. The council of administration (5 members) is responsible for the general government of the university and the administration of its property; the senate (25 members) is the supreme authority in all matters concerning teaching and research.

Buildings and Grounds

The university (only one building) is located on a 12-acre ground in Ottawa's downtown area. It enjoys the facility of a large parking lot. A special approach-ramp provides easy access to handicapped persons.

Library

The university library holds approximately 360,000 volumes, 100,000 microforms and 1,000 periodicals. It is particularly specialized in the area of religious studies and philosophy.

Programs and Degrees

The university uses both English and French as languages of instruction. Duration and credit requirements vary according to programs: See below. One credit represents 45 hours (3 hours per week for 1 trimester of 15 weeks) devoted to participation in a course. In the list below, the asterisk indicates the degrees conferred jointly by the University of Ottawa and St. Paul University; the others are conferred by Saint Paul University.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Canon law

Certificate of university studies in canon law.* Two trimesters after Ontario Grade 13 or equivalent.
Civil degrees
Bachelor of canon law (BCL)* 2 trimesters after bachelor's degree or equivalent.
Master of canon law (MCL)* 2 trimesters after BCL. No thesis.
Master of arts in canon law (MA/CL)* 2 trimesters after BCL. Thesis.
Doctor of philosophy in canon law (PhD/CL)* 4 trimesters after MCL.
Canonical degrees
Bachelor of canon law (BCL) 2 trimesters after bachelor's degree or equivalent.
Licentiate in canon law (LCL) 2 trimesters after BCL.
Doctor in canon law (DCL) 4 trimesters after LCL.

Mission studies (Institute of Mission Studies)

Certificate of university studies in missiology.* Two trimesters after Ontario Grade 13 or equivalent.
Master of arts in missiology (MA/Miss)* With thesis, 4 trimesters after BA. Without thesis, 6 trimesters after BA.

Pastoral studies (Institute of Pastoral Studies)

Diploma in pastoral studies.* Three trimesters after BA and qualifying year.
Master of arts in pastoral studies (MA/PastSt)* 5 trimesters after BA and qualifying year.

Philosophy

Bachelor of philosophy (BPh) 2 years after first year in faculty of arts or equivalent or 1 year after general BA with at least 24 credits in philosophy.
Licentiate in philosophy (LPh) At least 4 trimesters after BPh.
Doctor of philosophy (PhD) At least 4 trimesters after LPh.

Social communications (Institute of Social Communications)

Certificate of studies in animation.* See Certificat d'études en animation (French text).
Certificate I in social communications.* Two trimesters after Ontario Grade 13 or equivalent.

* Ordinary member, AUCC. Federated with the University of Ottawa.

Theology

Certificate of university studies in theology.* Two trimesters after DEC or at least 1 year arts.
Civil degrees
Bachelor of theology (BTh)* 6 trimesters after DEC or at least 1 year arts.
Master of arts in theology (MA/Th)* At least 2 trimesters after BTh. With or without thesis.
Doctor of philosophy in theology (PhD/Th)* 4 trimesters after MA/Th.
Canonical degrees
Bachelor of theology (BTh) 6 trimesters after DEC or at least one year arts.
Licentiate in theology (LTh) 2 trimesters after BTh.
Doctor of theology (DTh) 2 trimesters after LTh.

Continuing education

On and off-campus lectures and courses in social communications, pastoral studies, mission studies and theology are available during academic year and in summer for lay people, clerics and members of religious orders.

Admission Requirements

Undergraduate

For admission to theology: A DEC or a first year arts program with 65% general average. Canon law: A BA degree or its equivalent, with at least B standing.

Graduate

Master's programs: A specialized bachelor's degree, with at least B standing, or the equivalent.
Doctoral programs: A master's degree in the discipline in which the candidate applies for PhD, with high second-class standing or equivalent.

Certificate programs (except theology)

Ontario candidates must have Grade 13. Other candidates should contact the registrar's office for information.

International students

Applicants for admission to an undergraduate program must hold standing equivalent to that which Ontario students must meet. In addition to the general admission requirements, each faculty sets particular requirements in function of the program into which a candidate seeks admission. The International Baccalaureate is taken into account. Every student must master adequately either English or French. There is no enrolment limitation for international students.

Application Deadlines

Applications for fall trimester must be submitted by August 15, by December 15 for winter trimester, by April 15 for spring trimester and by June 15 for summer session.

Costs (1990-91)

Tuition: Full-time students, per trimester: Graduate, $770; undergraduate, $665; international students, $2,650.

Part-time students: Graduate (6 credits or less per trimester), $88 per credit; undergraduate (9 credits or less per trimester), $56 per credit.

Residence: Approximately $650 per month (room and board).

Students' union: Full-time, $20 per year; part-time, $2 per trimester.

All fees subject to change without notice.

Academic Year

Fall trimester: Early September to mid-December. Winter trimester: Early January to end of April. Spring trimester: May 1 to mid-August. Summer session: Beginning of July to mid-August.

Grading System

A+ (90-100%), exceptional; A (85-89%); A- (80-84%), excellent; B+ (75-79%); B (70-74%), very good; C+ (66-69%); C (60-65%), good; D+ (55-59%); D (50-54%), pass; E (40-49%), redeemable failure; F (0-39%), failure. For graduate studies, all grades below C+ are failing grades.

Student Life and Services

The students' union, founded around 1968, is directed by a 5-member executive, elected each year by the student body. The union is involved in the election and nomination of students to the senate and faculty councils of the university and contributes to cultural, social, artistic and sports events on campus. It acts also as a coordinating body for student activities and as a public relations agent between the students and other university organizations.

Saint Paul University can accommodate 225 students in its residences. It also provides a service for students seeking off-campus accommodation. For information, please contact the director, residence and housing administration, Saint Paul University.

A spiritual animation service provides for liturgical celebrations, spiritual direction on an ongoing basis and any other activity that might enhance the quality of life of the individuals at the university.

The university bookstore offers its clientele a wide choice of French and English-language publications.

An audiovisual service has been expanded to accommodate students in the use of modern mediums of communications. The facilities include audiovisual equipment, a television studio, a sound studio and a darkroom.

Other services and facilities for students include an information unit, a reprographic service, a cafeteria and lounges.

Research Institutes

Research Centre. Director: P. Hurtubise, omi. The centre has a subsidiary, the Research Centre in Religious History of Canada. Director: P. Hurtubise, omi

Research Chair

Research Chair on "Faith and Social Justice". Louis Sabourin, BA, LLL, PhD, src

Affiliated Institution

St. Augustine's Seminary, 2661 Kingston Road, Scarborough, Ontario M1M 1M3 Telephone, (416) 261-7207. Courses offered in English only leading to BTh degree. Catholic seminary for day students. Affiliated in 1964. Canonical degrees conferred by Saint Paul University. Member of Toronto School of Theology. Rector: James M. Wingle, MA, STL, STD

St. Paul's College*

General Information

Address: 430 Dysart Road, Winnipeg, Manitoba R3T 2M6
Telephone: (204) 474-8575
Telex: 075-7591

Rector: Richard A. Lebrun, BA, MA, PhD

Inquiries: Direct general correspondence to dean of studies, R. Finlay, BA, MA

High school liaison: Irene Sexton, BA

Full-time faculty (1989-90): 27

History and Governance

Founded in 1926, St. Paul's College became an affiliated college of the University of Manitoba in 1931. In 1934 it came under Jesuit direction. After 27 years on a downtown site, the college moved into new buildings on the university campus in 1958. In 1968 it became more closely integrated with the university as a member college and receives the major part of its financial support through the university budget. It is co-educational.

The college is under the direction of the members of the Corporation of St. Paul's College and is administered by a 12-member board of directors. There is no college senate but the college rector is an ex officio member of the University of Manitoba senate. All degrees are granted by the University of Manitoba.

International Mandate

The university is involved in clean water projects in the Dominican Republic and provides assistance to the Universidád Dominicana O & M in San José de Ocoa, Dominican Republic. Contact: Dr. Richard Lebrun, rector. Telephone: (204) 474-8581.

Buildings and Grounds

The college is located on the university campus in Winnipeg where it has 5 buildings. In addition to a library, the college offers such academic facilities as a theatre, study carrels, anthropology laboratories and a language laboratory for the study of French and German. There are also student lounges, a cafeteria and recreation facilities.

Library

The college library houses a collection of about 60,000 volumes and maintains subscriptions to more than 150 periodicals, magazines and newspapers. In addition, because the college represents the Catholic presence on the campus, it acts as a depository of theological, philosophical and historical materials for the Catholic community in the metropolitan district.

Programs and Degrees

General bachelor's degrees require 3 (90 credits) or 4 (120 credits) years from senior matriculation and honors bachelor's degrees require 4 (120 credits) years from senior matriculation unless otherwise specified. Three credits normally represent 3 lecture hours per week for 1 term. Six credits is usually equivalent to either 3 lecture hours per week for 2 terms or 6 lecture hours per week for 1 term. Extra credits may occasionally be awarded for labs or particularly demanding courses.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts

Bachelor of arts (BA) general, advanced and honors programs.
Master of arts (MA) At least 2 years from general BA or at least 1 year from honors BA in conjunction with the University of Manitoba.

Science

Bachelor of science (BSc) general program.

Continuing education

Summer school and evening courses offered in conjunction with the University of Manitoba.

Admission Requirements

All candidates for admission must meet general and specific requirements of the University of Manitoba. See separate chapter.

Costs

Same as for the University of Manitoba.

Academic Year

Winter session: September to early May. Intersession: May to June. Summer session: Early July to mid-August.

Grading System

Same as for the University of Manitoba. See separate chapter.

Student Life and Services

Through the St. Paul's student union, students elect their own council and carry on a wide range of college activities. All students are also members of the University of Manitoba students' union.

Student services at the college include a chapel, student counselling and a cafeteria. College students also have access to all university facilities and services.

The college does not have student residences. There are several residences on the campus of the university for which St. Paul's students are eligible.

Counselling services are available at the college. For information on medical services and student employment, see The University of Manitoba entry.

* Ordinary member, AUCC. Affiliated to The University of Manitoba.

St. Thomas More College*

General Information

Address: 1437 College Drive, Saskatoon, Saskatchewan S7N 0W6
Telephone: (306) 966-8900
Fax: (306) 966-8670

President: John R. Thompson, MA, PhD

Inquiries: Direct general correspondence to the dean, Thomas B. Deutscher, BA, MA, PhD

High school liaison officer: Claude Lang, BA

Full-time faculty (1989-90): 25

History and Governance

St. Thomas More College was established and federated with the University of Saskatchewan in 1936 and teaching began that year. Its first graduates obtained degrees from the university in 1937. The college was incorporated by an act of the legislature of Saskatchewan in 1943 (amended in 1972). The first members of the corporation were Basilian Fathers.

The college is a co-educational, Catholic, church-related institution offering, in co-operation with the college of arts and science, all programs leading to the BA, BFA, MMus and BSc degrees conferred by the University of Saskatchewan.

It is supported by provincial government grants, tuition fees and contributed services of the clerical and religious members of its staff. Its professors are members of the staff of both the college and the university; they belong to the university faculty of arts and science and to the university council.

The institution is governed by a 13-member board of governors. The academic work of the college is controlled by the university senate on which the college is represented by its president.

Buildings and Grounds

The college building is located on the university campus in northeast Saskatoon (population 185,000). It houses the Shannon Library, an art gallery (with frequent exhibitions, chiefly by local artists), chapel, auditorium, student lounge, staff and student offices and a cafeteria. All buildings on campus are accessible to handicapped students.

Library

The Shannon Library has about 45,000 volumes and special collections in Canadian church history and Christian social sciences as well as the personal collection of Christopher Dawson.

Programs and Degrees

Bachelor's degrees are 3 or 4 years from senior matriculation and honors bachelor's degrees are 4 years from senior matriculation unless otherwise specified.

Programs are expressed in terms of courses and credit units. Units of instruction are usually 6 and 3 credit unit courses. A 4-year degree program would require at least 120 credit units.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts
Bachelor of arts (BA) 3-year, 4-year and honors.

Fine arts
Bachelor of fine arts (BFA) 4 years from senior matriculation.

Music
Bachelor of music (BMus) 4 years from senior matriculation.
Bachelor of arts (BA) 3-year, 4-year and honors.

Science
Bachelor of science (BSc) 3-year, 4-year and honors.

Combined studies
Combined programs in arts and science and agriculture, commerce, dentistry, education, engineering, law, medicine, music or pharmacy enable student to obtain BA or BSc and the professional degree in less time than if the 2 courses were taken separately.

Special programs
Interdisciplinary: Programs offered in international studies, land use and environmental studies, linguistics, paleobiology, public administration, and regional urban development leading to BA and BSc degrees.

Continuing education
Evening, intersession, summer school and correspondence classes are offered in conjunction with the University of Saskatchewan.

Admission Requirements

Undergraduate
Same as for the University of Saskatchewan. See separate chapter.

Application Deadlines

Applications must be submitted by May 15.

Costs

Tuition: Same as for the University of Saskatchewan.

Residence: See the entry for the University of Saskatchewan.

* Ordinary member, AUCC. Federated with the University of Saskatchewan.

Academic Year

Winter session: Early September to early May. Intersession: Mid-May to late June. Summer session: Early July to mid-August.

Grading System

Same as for the University of Saskatchewan. See separate chapter.

Student Life and Services

All students belong to the St. Thomas More students association and to the University of Saskatchewan student union. The student body elects its own student council with a faculty advisor to administer student affairs. The student body is represented in college decision-making through membership on the college corporation, the board of governors, the faculty-administrative forum and college committees.

All students are eligible to participate in extensive recreation and intramural and extramural sports programs of the University of Saskatchewan. The student council of the college has representatives on the men's and women's athletic committees and intramural board which administer the various programs.

A variety of entertainment, cultural and religious events are sponsored for and by the students. This is made possible through facilities such as an auditorium, co-operative cafeteria and chapel. Under the direction of the director of student services, students are offered a typing service, a housing service and career counselling. Chaplaincy counselling is also available. Students have access to the University of Saskatchewan book store, student health centre and professional student counselling services and the Canada Employment Centre on campus.

St. Thomas University*

General Information

Address: P.O. Box 4569, Fredericton,
New Brunswick E3B 5G3
Telephone: (506) 452-7700
Fax: (506) 450-9615

President: Daniel W. O'Brien, BCom, MSW, DSW

Inquiries: Direct general correspondence to the registrar, Lawrence Batt, BA, MA

High school liaison officer: Evelyn Sweezey, BA, BEd

Full-time faculty (1989-90): 75

History and Governance

St. Thomas University traces its beginning to the 1860s when Bishop James Rogers instituted at Chatham, New Brunswick a house of studies in theology which he named St. Michael's College. In 1910, under Bishop Thomas Barry's patronage, the Basilian Fathers of Toronto assumed charge of St. Thomas College, Chatham, New Brunswick, and provided education for boys at the secondary and junior college levels. In 1934 the college received a university charter and granted its first degrees in 1936. In 1960 the name was changed to St. Thomas University and the following year the high school course was terminated.

In 1962, as a result of a Royal Commission on Higher Education in New Brunswick, St. Thomas University entered into a federation agreement with the University of New Brunswick. In September, 1964 it moved to the campus of the University of New Brunswick where it shares library, maintenance and other facilities and services.

The university grants undergraduate degrees in arts, education and social work, makes regulations governing student admission to courses leading to such degrees and exercises control over its curriculum and finances. It holds in abeyance its other degree-granting powers.

St. Thomas University is a co-educational, Catholic institution open to students of all religious denominations. It is governed by a 25-member board of governors and a senate.

Buildings and Grounds

Located in New Brunswick's capital city, Fredericton (population 44,000), St. Thomas University is situated on the campus of the University of New Brunswick. There are 3 residence buildings on campus. Edmund Casey Hall, opened in 1968, houses classrooms, faculty offices, a language laboratory and a theatre. The administration building houses administrative offices, a chapel, a dining room, several classrooms and faculty offices. The academic and administration buildings are accessible for students using a wheelchair.

Library

The Harriet Irving Library, opened in 1967, has a collection of 879,778 printed volumes and 1,279,984 equivalent volumes of micro-materials. It is used by both St. Thomas University and the University of New Brunswick and houses microfilms of newspapers, periodicals, and rare books.

Special collections: Beaverbrook Collection.

Programs and Degrees

A 6 semester hour course constitutes 1 credit.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts

Bachelor of arts (BA) general and honors program, 4 years from Grade 12 (20 credits). With permission, a student may accelerate degree program through summer courses.

Certificate in criminology and social justice. An extension program consisting of 6 full university credits.

Education

Bachelor of education (BEd) 1 year after first bachelor's degree consisting of 5 academic courses and extensive practical experience, for a total of 7 credits. The program normally begins in early September and ends in first half of June. Intersession and summer session courses may be credited toward a BEd degree with prior permission from the chairman of the St. Thomas University education department.

Gerontology

Certificate in gerontology. An extension program consisting of 6 full university credits.

Social work

Bachelor of social work (BSW) 4 years from Grade 12 (20 credits).

Certificate in social work (CSW) an extension program consisting of 5 full university courses.

Special programs

Interdisciplinary studies are available through a major or honors course of study and consist of 6 third and fourth-year courses cutting across disciplinary lines but related by clear theme or unifying principle. The interdisciplinary honors scheme is the same as that of the interdisciplinary major with the addition of the general university requirements for honors programs.

French immersion: An intensive limited enrolment program consisting of 2 semesters (introductory and advanced) of complete immersion in the French language, designed especially for non-francophone students, recognized as 5 full university credits.

* Ordinary member, AUCC. Affiliated with the University of New Brunswick.

Continuing education

Undergraduate classes are offered in limited number of off-campus centres. Part-time students are encouraged to attend classes in regular arts, social work and education courses offered in day and evening schedules.

Students admitted to the bachelor of laws program at a Canadian university recognized by AUCC at the conclusion of their penultimate year (third) of St. Thomas University BA program, may apply for a BA degree from St. Thomas University upon successful completion of the first year of law school.

Admission Requirements

Undergraduate

New Brunswick: Graduation from an academic high school program including an average of 60% on 5 Grade 12 academic courses.

Other provinces: Equivalent certificates from other provinces are: Nova Scotia, Prince Edward Island and Newfoundland, Grade 12; Quebec, high school leaving examination results for 7 subjects and 65% average and secondary V diploma (CEGEP graduates may be admissible to second year with advanced standing in approved subjects); Ontario graduates with the OSSHGD (Grade 13) may apply for advanced credits. Ontario, Manitoba, Saskatchewan, Alberta, British Columbia and Northwest Territories, Grade 12.

Mature students

The university will consider for admission persons 21 years of age or over, who, through private study, reading, or involvement in business affairs, have educated themselves to the point where successful completion of a BA appears possible. Academic record, letters of recommendation and a personal interview are requested and the university may require the candidate to demonstrate ability by taking a university course on a part-time basis.

Senior citizens

Students 60 years of age and over are required to meet normal admission requirements or those of mature students.

International students

Students whose mother tongue is not English must submit the official results of one of the recognized tests in the English language.

Generally a student must successfully complete an academic high school program and meet the requirements for admission to the first year arts program.

USA: Applicants from the United States of America or from high schools using American based high school curriculum: Applicants from Grade 12 of an accredited American based high school curriculum must offer a rigorous program of required college preparatory courses and receive a favourable recommendation from the high school principal. Criteria such as academic standing, rank in class and SAT scores will also be used to determine a candidate's admissibility. Principal's confidential report and complete high school record required.

UK and Commonwealth: GCE 0-level passes (minimum grade B or 3) in English, mathematics and 4 academic options. Applicants with 3 appropriate A-level subjects (minimum grade C) may be granted credit for each subject at the first year level.

Other: Applicants submitting an International Baccalaureate (IB) are considered for admission on an individual basis.

Application Deadlines

There is no closing date for receipt of applications for the BA program. Early applicants are given preference.

Academic Year

Winter session: Early September to end of April. Intersession: May to June. Summer school: July to August. St. Thomas also participates in the University of New Brunswick program for intersession and summer school.

Grading System

Final standing is indicated by letter grades. A+, 4.3; A, 4.0 (excellent); A-, 3.7; B+, 3.3; B, 3.0 (good); B-, 2.7; C+, 2.3; C, 2.0 (satisfactory); C-, 1.7; D, 1.0 (minimally acceptable); F, 0.0 (failure). An annual grade point average of 2.0 in all courses attempted is required to stay in good standing.

Student Life and Services

The student union is operated through the student representative council whose offices are located in the student union building. Most organizations and student clubs on campus are funded by the union which in turn, is supported by a student fee.

There are a number of student clubs and activities on campus which invite student participation. These include the student paper Aquinian, the year book Aquinas, the university band The Thomists, the photography club Photo Comm and the radio station CHSR.

Many of these activities take place in the student union building which is operated jointly by the students of St. Thomas University and the University of New Brunswick. Athletic facilities are also available on campus.

Religious activities hold a prominent place in the life of the university. These include daily and Sunday masses, shared ministries, popular courses, workshops and retreats.

St. Thomas has 1 men's residence and 2 women's residences accommodating 500 students. The accommodations officer provides resources and assistance to all students who prefer off-campus housing.

The campus health services provide a full-time medical director and nursing staff and 2 part-time staff physicians. A student medical insurance plan is in effect for all full-time students.

The counselling centre provides individual and group counselling of an academic or personal nature. Psychiatric counselling is done on a referral basis. Student counselling is also available through the offices of the registrar, the chaplain, the deans, the priests in residence, the director of student affairs and the director of university relations.

Assistance to international students is provided by the international student advisor, Ms. Patricia Brooke. Telephone: (506) 453-4860.

Students with physical disabilities or other special needs should contact the office of the registrar for details about facilities and services. Telephone: (506) 452-0530.

A Canada Employment office assists students seeking part-time or permanent employment. It also operates a program of visits and interviews by representatives of potential employers. The director of university relations is responsible for the circulation of employment notices.

Research Centres

Atlantic Human Rights Centre.

Bioethics Documentation Centre.

New Brunswick Research and Resource Centre.

Research Chairs

Chair in Gerontology. Gary M. Kenyon, BCom, BA, MA, PhD

Chair of Native Studies. Graydon Nicholas, BSc, LLB, MSW

University of Saskatchewan*

General Information

Address: Saskatoon, Saskatchewan S7N 0W0
Telephone: (306) 244-4343
Cable: The University of Saskatchewan, Saskatoon, Saskatchewan
Telex: 074-2659
NetNorth: SASK
Fax: (306) 966-8670

President and Vice-chancellor: J.W. George Ivany, BSc, DipEd, MA, PhD

Inquiries: Direct general correspondence to the registrar, Ken M. Smith, AB, MS, PhD

High school liaison officer: R. Loewen, BEd, MEd, PhD

Full-time faculty (1989-90): 1,131

History and Governance

The University of Saskatchewan was established by an act of the legislative assembly of Saskatchewan in 1907. Teaching began in 1909 and the first degree was awarded in 1912. Regina College, which was established in 1911, was taken over by the university as a constituent college in 1934. In 1961 the name of the college was changed to the University of Saskatchewan, Regina Campus. On July 1, 1964, the 2 teachers' colleges at Saskatoon and Regina became part of the university and all teacher-training programs are now integrated within the university.

In 1967 a 1 university, 2 campus structure was adopted with campuses located at Saskatoon and Regina. On July 1, 1974 separate acts were passed establishing 2 universities, the University of Saskatchewan located at Saskatoon, and the University of Regina located at Regina.

The University of Saskatchewan is provincial, non-denominational and co- educational. It is governed by a 12-member board of governors, a 91-member senate and a general university council.

International Mandate

Individual units and departments are responsible for a wide range of international actitivies, including provision of technical assistance, training courses, academic exchange and applied research. The university plans to establish an international development office which will maintain and expand contract activity, promote the university, manage and monitor programs, provide counselling on international development, and provide information, programs and resources on international development education. Contact: Dr. B. Schnell, vice-president, external. Telephone: (306) 966-6607.

Buildings and Grounds

The university is located in Saskatoon (population, 185,000) and is situated on 755 hectares on the South Saskatchewan River. One hundred and forty-seven hectares comprise the campus, 30 hectares for a research park, and the rest are used for the university farm and experimental plots. In addition to academic buildings, a linear accelerator laboratory, a library, a physical education centre, the Rt. Hon. John G. Diefenbaker Centre, farm buildings, facilities for administration, a bookstore, food services and student activities (Place Riel Campus Centre), a faculty club and student residences are provided on campus. One federated and 3 affiliated colleges also have buildings on the campus.

Also located on the campus are the university hospital, the Animal Resources Centre, Veterinary Infectious Diseases Organization, the Prairie Regional Laboratory of the National Research Council (plant biotechnology), the Prairie and Northern Wildlife Centre of the Canadian Wildlife Service, Agriculture Canada Research Station, Canada Agriculture Health of Animals Pathology Laboratory, the Proteins, Oils and Starches Pilot Plant, Regional Psychiatric Centre (Prairies), a PFRA (Soils) Building, the Medical Research Institute Building, the Cancer Clinic, and the St. Pius X Seminary. A research park (Innovation Place) is also on the campus. The university has under lease a 52-hectare site at Emma Lake.

The university also owns and operates 3 farms for research purposes primarily in the colleges of agriculture and veterinary medicine.

Libraries

The university library system consists of a main library (where centralized technical processes are carried out) and 7 branches: Education, engineering, geology/physics, health sciences, law, Thorvaldson, and veterinary medicine. The collection size is 1.38 million printed volumes including about 10,000 current journals; in addition the libraries hold over 2 million items in microform and 377,000 government documents and pamphlets.

The libraries offer online databases searching using DIALOG, BRS, QL, WESTLAW, ORBIT, MEDLARS, INFOMART and CANOLE. In addition PSYLIT, ERIC, MEDLINE, CAB and AGRICOLA are available on CD-ROM. PSYLIT, ERIC and CIHM are also available on the library's VAX-based InfoAccess Information System from on or off campus locations.

Special collections include: Shortt Library of Western Canadiana, P.A. Sorokin Collection, Conrad Aiken Collection, University of Saskatchewan Authors Collection, A.W. Purdy Collection, Emile Petitot Collection, Roy Campbell Collection, Phyllis Webb Collection, Robert Newton Hurley Collection,

* Ordinary member, AUCC

Cooperative Commonwealth Federation Pamphlet Collection and Feron/Lebel Collection.

A special room has been set aside for the handicapped. Specialized equipment includes: Tape recorders, VTEK Voyager XL book scanner and display monitor also connected to microcomputer (hard drive monitor, dot matrix printer with a VTEK large print processor).

Programs and Degrees

Bachelor's degrees require 4 years beyond senior matriculation unless otherwise specified. Postgraduate diplomas require at least 1 year from an approved bachelor's degree. Master's degrees require approximately 2 years from an approved bachelor's degree unless otherwise specified. Doctorates require at least 2 years from master's degree unless otherwise specified. Most undergraduate programs have limited enrolment.

Programs are expressed in terms of courses and credit units. Units of instruction are usually 6 and 3 credit unit courses. A 4-year degree program would require at least 120 credit units.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Agriculture

Bachelor of science in agriculture (BSA) general and honors programs.
Postgraduate diploma. At least 1 year from BSA.
Master of science (MSc)
Master of agriculture (MAgr) At least 1 year from bachelor's degree in agriculture.
Doctor of philosophy (PhD)

Arts

Bachelor of arts (BA) 3-year program beyond senior matriculation.
Bachelor of arts (BA) 4-year and honors programs also available.
Advanced and honors certificates, 1 year beyond 3-year BA.
Postgraduate diploma
Master of arts (MA)
Doctor of philosophy (PhD)

Commerce

Bachelor of commerce (BComm) general and honors programs.
Master of science in accounting (MSc)
Master of business administration (MBA) 1 year from BComm or 2 years from other approved 4-year degrees.

Dentistry

Doctor of dentistry (DMD) 5 years beyond 1 year pre-dental university education.

Education

Bachelor of education (BEd) 4 years from senior matriculation or 1' to 2 years for students with approved bachelor's degrees. One year for students with approved bachelor's degrees and teacher's certificat
Certificate in postsecondary technical vocational education. One year beyond senior matriculation and credit equivalent to 1 year for approved occupational training and experience.
Postgraduate diploma in education or continuing education.
Master of continuing education (MCEd) Approximately 2 years from an approved 4-year degree.
Master of education (MEd)

Engineering

Bachelor of science in engineering (BE)
Postgraduate diploma
Master of science (MSc)
Master of engineering (MEng) At least 1 year from BE.
Doctor of philosophy (PhD)

Fine arts

Bachelor of arts (BA) 3-year program from senior matriculation. Advanced and honors certificates, 1 year beyond 3-year BA.
Bachelor of arts (BA) 4-year and honors programs also available.
Bachelor of fine arts (BFA)
Master of fine arts (MFA)

Law

Bachelor of laws (LLB) 3 years beyond 2 years university education.
Master of laws (LLM)

Medicine

Bachelor of science in medicine [Bsc(Med)] At least 1 year from first-year medicine.
Doctor of medicine (MD) 4 years beyond 2 years pre-medical university education.
Master of science (MSc)
Doctor of philosophy (PhD)

Music

Bachelor of music (BMus)
Bachelor of music in music education [BMus(MusEd)]
Postgraduate diploma in music education.
Master of education (MEd)
Master of music (MMus)

Nursing

Bachelor of science in nursing (BSN) 4 years beyond 1 year pre-nursing university education or 3 years from approved school of nursing.
Master of nursing (MN)

Nutrition

Bachelor of science in nutrition [BSc(Nutr)]
Master of science (MSc)

Pharmacy

Bachelor of science in pharmacy (BSP)
Postgraduate diploma

Master of science (MSc)
Doctor of philosophy (PhD)

Physical education
Bachelor of science in physical education (BSPE)
Postgraduate diploma
Master of science (MSc)
Doctor of philosophy (PhD)

Physical therapy
Bachelor of science in physical therapy [BSc(PT)] 3 years beyond 1 year pre-physical therapy university education.

Science
Bachelor of science (BSc) 3-year program, 3 years from senior matriculation. Advanced and honors certificates. One year beyond 3-year BSc.
Bachelor of science (BSc) 4-year programs also available.
Postgraduate diploma
Master of science (MSc)
Master of mathematics (MMath)
Doctor of philosophy (PhD)

Theology
Programs offered by affiliated colleges.

Veterinary medicine
Doctor of veterinary medicine (DVM) 4 years beyond 2 years pre-veterinary university education.
Postgraduate diploma in veterinary medicine
Master of veterinary science (MVetSc)
Master of science (MSc)
Doctor of philosophy (PhD)

Special programs
Indian Teacher Education Program (ITEP): Provides teacher training for natives with emphasis on problems and interests of Indian communities. A full bachelor's degree program is available. (Contact: Director, Indian Teacher Education Program, College of Education, University of Saskatchewan telephone, 966-7686.)

Northern Teacher Education Program (NORTEP): An off-campus teacher training program designed to increase the number of native northern people qualified to serve as certified teachers in northern schools. (Contact: Director, NORTEP, Box 5000, La Ronge, Saskatchewan, S0J 1L0 telephone, 425-4411.)

Saskatchewan Urban Native Teacher Education Program (SUNTEP): A campus based program open to students who are sponsored by the Gabriel Dumont Institute of Native Studies and Applied Research. The objective is to ensure that native people are adequately represented in urban teaching positions. (Contact: Director, SUNTEP, Gabriel Dumont Institute, 505-23rd St. E., Saskatoon, Saskatchewan, S7K 4K7 telephone, 934-4941).

Program of legal studies for native people: A summer program designed to introduce native people to the study of law and to prepare them for formal studies in a Canadian law school. (Contact: Director, Program of Legal Studies for Native People, Diefenbaker Centre, University of Saskatchewan telephone, 966-6189.)

Program of nursing for native people: A summer program designed to prepare native people for formal studies in Canadian schools of nursing. (Contact: College of Nursing, University of Saskatchewan telephone, 966-6221.)

A number of interdisciplinary programs are offered within the college of arts and science. These include: International studies, land use and environmental studies, linguistics, paleobiology, public administration, and regional and urban development.

Continuing education
Extension credit studies: Independent study (correspondence) classes offered in a number of arts and education subjects. Evening undergraduate classes offered, mainly in arts, commerce and education with a limited number in other areas and a few at graduate level. Off-campus classes in arts and science, commerce and education offered during the regular session at a number of centres. A selected number of classes are offered by televised instruction to over 30 receiving sites in Saskatchewan. Summer session (July and August) and intersession (May and June) offer classes in arts, commerce, science and education; a limited number of classes are available in other areas and some at the graduate level.

Non-degree programs: Four-year part-time certificate program in business administration. Two-year part-time independent study certificate program in hospital and health care administration. Three-year part-time certificate program in labor studies. Three-year full-time vocational agriculture diploma program. Short courses, seminars and numerous other educational events are available for adults in the areas of agricultural science, contemporary technology, women's studies, adult education, and film and performing arts.

Admission Requirements

Undergraduate
Saskatchewan: Complete division IV standing or equivalent, with a minimum of 12 credits in levels II and III and minimum average 65% on 7 approved subject credits as well as minimum average 65% on required credits (depending on the college); minimum age, 16 years. All credits submitted must be in different subjects. Subjects numbered 21, 31, 24, 34, 26c, 27, 36c and 37 are not acceptable. Special physical education, family life education, psychology, band, orchestra, choral subjects are acceptable only to certain colleges (i.e. special physical education for physical education). Many university courses have level 3 courses as prerequisites; students with required high school averages may be admissible with deficiency of 1 credit (in some colleges) but deficiencies must be cleared by attendance at summer session and in all cases must be cleared before entry into second year.

Other provinces: Students must have standing equivalent to division IV with subjects approved for admission. British Columbia, Yukon, Alberta, Northwest

Territories, Manitoba, New Brunswick, Nova Scotia, Prince Edward Island: Grade 12. Newfoundland: First year from Memorial or Grade 12 (1984 forward). Ontario: Ontario secondary school diploma. Quebec: First year of CEGEP.

Special students

Candidates at least 21 years of age who are bona fide residents of Saskatchewan and cannot meet normal admission requirements may be admissible under the special admission program. Candidates may be interviewed before decision is made regarding admission.

Senior citizens

Candidates must have admission requirements, but tuition fees are waived for persons 65 years of age or over registering for 3 to 6 credit units at intersession and summer session and fewer than 18 credit units during the regular session.

Graduate

Four-year baccalaureate from a college or university of acceptable standing equivalent to the degree of University of Saskatchewan required for admission to proposed graduate program or training equivalent to that required for such a degree. Applicants with general bachelor's degree obtained in 3 years study beyond senior matriculation or in 4 years following junior matriculation are not eligible for admission. Details are available from the dean of graduate studies and research. Previous scholastic record of applicants should show promise of ability to satisfactorily pursue advanced study and research. Those failing to meet requirements may be admitted if deficiencies can be rectified prior to, or parallel with, graduate courses.

International students

Certificate equivalent to standing required for Canadian students.

UK and Commonwealth: GCE or HSC with 5 at O-level and 2 or 3 at A-level.

India, Pakistan and Bangladesh: Bachelor's degree with first or second division.

France and francophone Africa: Baccalaureate parts I and II.

South and Central America: First year standing in appropriate subjects from recognized institution of higher learning.

Asia: First year standing in appropriate subjects from recognized institution of higher learning.

USA: Successful completion of full academic high school program with subjects and average prescribed by faculty or college to which student is seeking admission. Grades 9 to 12 must be submitted.

Other: Applicants must present original documents covering present academic standing and should write the registrar's office for details.

Students submitting International Baccalaureate will be considered for admission. From 3 to 18 credit units may be granted for subjects completed at the higher level.

Note: Transcripts and certificates in a language other than English must be submitted in photostatic copies with notarized English translation. Applicants must present evidence of proficiency in oral and written English. This can be demonstrated either through completion of Grades 10, 11 and 12 in Saskatchewan or at acceptable secondary institution or through satisfactory scores in Test of English as a Foreign Language (minimum 550) or equivalent level of proficiency on other English language test approved by the university. Applicants to graduate studies from universities where English is not the usual language of instruction must also provide proof of proficiency. This usually means taking one of the recognized tests administered by an organization such as the Educational Testing Service.

The university reserves the right to set quotas in any college and to grant priority for admission to residents of Saskatchewan.

Application Deadlines

Regular session: Applications for first year agriculture, arts and science, commerce, education, engineering, pharmacy (nutrition and dietetics) and physical education should be submitted by May 15. However, all applications to MD program and physical therapy program should be submitted by January 15; January 3 for DVM program; February 28 for DMD program; March 15 for law and upper-year education; May 15 for nursing; May 28 for pharmacy; upper-year agriculture, arts and science, home economics, engineering, nursing and commerce transfers, May 28. Applications to all programs not indicated above, August 15; September 30 for school of agriculture.

Extra sessions: Applications for intersession should be submitted not later than April 15; June 1 for summer session.

Academic Year

Regular session: September to April. Intersession: May-June. Summer session: July-August.

Grading System

A percentage system for reporting final grades was implemented in September, 1986: 90-100% exceptional; 80-89% excellent; 70-79% good; 60-69% satisfactory; 50-59% minimal pass; less than 50% failure.

Student Life and Services

The affairs of the students at the university are handled through the offices of the University of Saskatchewan students' union, founded in 1909. Members of the students' union are elected annually by students on campus. Membership in the student union is compulsory for all full-time and part-time students. The union acts as a bargaining agent in student concerns within the university structure. Students are represented on the board of governors and the senate, attend faculty council meetings and participate in committees which

govern the daily business of the university at the departmental, college and campus levels. The students' union has also lobbied outside the university on matters of concern to students.

The students' union sponsors several directorates, provides numerous student services and organizes a wide variety of activities. Among these are information and referral support, ombudsman and a volunteer resource centre.

There are, in addition, student societies in most of the colleges and schools as well as a large number of clubs and organizations which focus on a particular activity or interest.

The Place Riel Campus Centre is the hub of student activities. The lower mall area houses office space for the student union, Place Riel and for other campus organizations. There are also meeting rooms, lounge space, games rooms, banking facilities, a travel agency and print shop. A campus pub is located in the Memorial Union Building and the Place Riel Theatre is located in the arts building.

The university operates 2 residence complexes; Voyageur Place located on-campus and McEown Park located at a 5 minute walk off campus. Voyageur Place provides accommodation and meals and can accommodate 570 students. Residents take their meals in Marquis Hall. McEown Park provides unfurnished apartment accommodation for married students with or without children and single students on a sharing basis. Furnished units are also available to accommodate 6 single students per unit.

The university housing registry located in Place Riel prepares listings of off-campus accommodations available to students.

The university provides a student health centre in 145 Saskatchewan Hall, which is open Monday through Friday. The centre is staffed by a number of health professionals including physicians, psychiatrists, a social worker and nurses. A physician is on call at all times if medical help is required outside office hours. An emergency department is also available at the university hospital.

Students who are permanent residents of the province of Saskatchewan are eligible to receive benefits under all of the Saskatchewan Health Insurance Plans.

Residents of other provinces or territories in Canada who are present in Saskatchewan for educational purposes are not eligible for benefits under the Saskatchewan health plans. Such students should maintain health care insurance from their home province while attending university in Saskatchewan.

All international students should immediately contact the international student advisor regarding their eligibility for the Saskatchewan Health Insurance Plan. Most international students do qualify for this coverage.

Students with physical disabilities are encouraged to contact the co-ordinator of disabled student services, 145 Saskatchewan Hall, University of Saskatchewan telephone, 966-5771, regarding services available including several forms of special assistance.

The programs of the student counselling services are available to all students and employees of the university. The core professional staff are registered psychologists and all sessions are confidential and are offered at no cost. In addition to individual counselling and group programs in the areas of academic remediation and career counselling, a full range of psychological services and personal counselling are offered. Non-credit programs in areas such as basic study skills, writing term papers and preparing for exams are offered throughout the academic year. The offices of the international student advisor and university sexual harassment officer as well as the University Orientation Program also operate out of student counselling services. For further information regarding services and programs contact student counselling services, Qu'Appelle Hall Addition, University of Saskatchewan, S7N 0W0 telephone, (306) 966-4920.

Students have the opportunity to participate in various competitive or non-competitive recreational activities. Participation can be at the club, intramural or intercollegiate-level. The university is a member of the Canada West University Athletic Association and is also affiliated with the Canadian Interuniversity Athletic Union.

The university bookstore supplies textbooks, instruments, and other materials required by students.

Employment and Immigration Canada maintains an office on campus to assist graduates and undergraduates seeking permanent, summer or part-time employment.

Campus day-care centre services are available to children, ages 2 to 5 years, whose parents are students, faculty or staff of the university although space is limited.

Bus service to the university is provided on several regular and special routes of the city transit system. A limited number of parking spaces are reserved for registered student vehicles.

Research Centres, Divisions and Institutes

Animal Resources Centre. Director: E.D. Olfert, BA, DVM, MSc

Centre for Agricultural Medicine. Director: J.A. Dosman, BA, MD, MA

Centre for Co-operative Studies. Director: D. Ish, BA, LLB, LLM

Centre for International Business Studies. Director: A.K. Sarkar, BCom, MCom, MBA, PhD

Centre for Second Language Instruction. Director: TBA

Crop Development Centre. Director: B.L. Harvey, BSA, MSc, PhD

Division of Biomedical Engineering. Chairperson: R.E. Gander, BSc, MASc, PhD

Division of Control Engineering. Chairperson: J.N. Wilson, BE, MSc, PhD

Division of Hydrology. Chairperson: D.M. Gray, BSA, MSA, PhD

Institute of Space and Atmospheric Studies. Chairman: D.J. McEwen, BEd, BA, MA, PhD

Linear Accelerator Laboratory. Director: D.M. Skopik, BS, MS, PhD

Prairie Swine Centre. Director: J.F. Patience, BSc, MSc, PhD

Rt. Hon. John G. Diefenbaker Centre. Director: TBA

Saskatchewan Institute of Pedology. Acting director: E. de Jong, Li, PhD

Saskatchewan Native Law Centre. Director: D. Purich, LLB

Toxicology Research Centre. Director: H.B. Schiefer, Dr. med. vet, PhD

Transportation Centre. Chairperson: A.T. Bergan, BE, MSc, PhD

Research Chairs

Ariel F. Sallows Chair of Human Rights in the College of Law. A.A. An-na'im, LLB, MA, PhD

C.J. MacKenzie Chair in Engineering. R. Billinton, BSc, MSc, PhD, DSc, FRSC, FEIC, FIEEE

George J. McLeod Chair in Geological Sciences. R.W. Kerrich, BSc, MSc

Law Foundation of Saskatchewan Chair. A.E. Blakeney, PCQC, BA, LLB, MA, LLD(Hon), DCLC(Hon)

Rawson Chair in Biology. T.A. Steeves, BS, MA, PhD, DCnL, FRSC

Sidney L. Buckwold Chair in Electrical Engineering. S. Kumar, BSc, BE, MTech, PhD

Thorvaldson Chair in Chemistry. J.A. Weil, MS, PhD, DSc

Van Vliet Chair in Agricultural Economics.

W.J. White Chair in Crop Science and Plant Ecology.

W.S. Lindsay Chair in Medicine.

Affiliated Colleges

Central Pentecostal College, 1303 Jackson Avenue, Saskatoon, Saskatchewan S7H 2M9 Telephone, (306) 374-6655. Co-educational. Incorporated in Saskatchewan in 1962. It became affiliated with the university in 1983. Offers courses in theology leading to a diploma in theology, a certificate of lay ministries, a bachelor of theology and a master of divinity. President: Rev. J.H. Faught, BA, ThM, ThD

College of Emmanuel and St. Chad, 1337 College Drive, Saskatoon, Saskatchewan S7N 0W6 Telephone, (306) 343-1353. Anglican. Co-educational. Emmanuel College established 1879. St. Chad's College established 1907. The 2 amalgamated in 1964. Offers courses in theology leading to bachelor of theology, master of theological studies, master of divinity and master of sacred theology awarded by the college. Also offers certain courses which may be taken for credit toward BA degree of the university. Principal: Rev. J.R. Brown, BA, MDiv, DD

Lutheran Theological Seminary, 114 Seminary Crescent, Saskatoon, Saskatchewan S7N 0X3 Telephone, (306) 975-7004. Co-educational. Established 1965, the seminary is successor of Lutheran College and Seminary and of Luther Theological Seminary. Offers courses in theology leading to a certificate in ministry, the bachelor of theology, the master of theological studies and the master of divinity awarded by the seminary. Graduate degree program leading to master of sacred theology also offered in conjunction with other affiliated theological colleges on campus. President: Rev. R.W. Nostbakken, BA, BD, MTh, PhD

St. Andrew's College, 1121 College Drive, Saskatoon, Saskatchewan S7N 0W3 Telephone, (306) 966-8970. United Church. Co-educational. Offers courses in theology leading to the bachelor of theology, degree of master of divinity, the master of theological studies and the master of sacred theology awarded by the college. Teaches certain courses which may be offered for credit toward BA degree of the university. President: Rev. W.R. Adamson, BA, BD, STM, ThD, EdM

St. Peter's College, Box 10, Muenster, Saskatchewan S0K 2Y0 Telephone, (306) 682-5431. Roman Catholic (Benedictine). Established 1924. Junior college offering courses for first-year university studies beyond senior matriculation in arts and science, and commerce. Also offers some upper-year courses in arts and education. Director: A.V. Saretsky, BA, BEd

Federated College

St. Thomas More College, Saskatoon, Saskatchewan. See separate chapter.

(SIFC) Saskatchewan Indian Federated College*

General Information

Address: Regina campus, 118 College West, University of Regina, Regina, Saskatchewan S4S 0A2
Address: Saskatoon campus, 310 - 20th Street East,
Address: Saskatoon, Saskatchwan S7K 0A7
Head office, Piapot Indian Reserve, #75, Box 9, RR Site 3, Craven, Saskatchewan S0G 0W0
Telephone: Regina (306) 584-8333/8334
Telephone: Saskatoon (306) 934-2444
Fax: Regina (306) 584-0955
Fax: Saskatoon (306) 665-0175

Acting President: Blaine Holmlund

Inquiries and high school liaison: Direct general correspondence to the director of information services.

Full-time faculty (1989-90): 55

History and Governance

The Saskatchewan Indian Federated College (SIFC), under the jurisdiction of the Federation of Saskatchewan Indian Nations (FSIN), became federated with the University of Regina in May, 1976. In October 1983 the college signed a Memorandum of Agreement with the University of Saskatchewan.

The SIFC is the only Indian controlled university college in Canada. It is a bi-cultural, co-educational college that is open to students of all denominations, creeds and backgrounds.

The college is governed by its own board of governors consisting of 17 members. The board of governors of the SIFC is the instrument of guidance for the college, ensuring control by the Indian Governments of Saskatchewan, the Federation of Saskatchewan Indian Nations. The board is comprised of 10 elected chiefs, district representatives and 2 senators of the FSIN. The 2 universities in Saskatchewan are also represented on the board to provide assistance regarding college policies. The federal and provincial governments are represented on the board. Student representatives from the Regina and Saskatoon campuses ensure that student views are heard. Academic matters are controlled by the university senate on which the college is represented by its president. Degrees are conferred by the University of Regina. Professors of the college are members of the faculties of arts, social work, education or science of both SIFC and the University of Regina.

International Mandate

The Centre for International Indigenous Studies and Development assists and co-ordinates the international linkages and agreements of the college, and promotes the internationalization of its curriculum and of Canadian indigenous communities. The college has agreements for development, research and exchange activities with a variety of institutions and agencies in Asia, South and Central America, the United States and the Caribbean. It offers an intensive 12-month training program in research/action for international community development personnel, and sponsors visits of scholars and leaders of international indigenous peoples' organizations. Contact: Dr. R. Ramirez, co-ordinator, Centre for International Indigenous Studies and Development. Telephone: (306) 584-8333.

Buildings and Grounds

The SIFC is situated on the University of Regina campus and uses university buildings to house the library, student lounge and offices.

Library

The SIFC library is situated at the University of Regina campus. It houses over 15,000 items which include monographs, periodicals, newspapers, microform, audio-visual materials and vertical files. The SIFC library provides a specialized collection which focuses on the indigenous peoples of North, South and Central America, Inuit and the Metis. The collection supports the courses offered by the SIFC and the University of Regina.

The SIFC library, Saskatoon campus, maintains a substantial collection of monographs, periodicals, newspapers and videotapes to supplement the Indian social work and Indian studies programs.

The SIFC library also houses the extension collection, which supplements the off campus courses that are offered through the college.

Programs and Degrees

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Administration

Bachelor of administration (BAdmin) 4 years.
Diploma of associate in administration (DipAdmin) 3 years.
Certificate in administration.
Certificate of continuing education/administration development.

Arts

Bachelor of arts in Indian studies (BA) 3-year and 4-year programs.
Bachelor of arts in journalism and communications.
Bachelor of arts in linguistics (BA) 3-year and 4-year programs.
Certificate in Indian communication arts (CertIndCommArts) 2 years.

Education

Bachelor of education - elementary (Indian) (BEd) 4 years.
Bachelor of education in Indian education (BEAD)

* Provisional member, AUCC. Federated with the University of Regina.

Fine arts

Bachelor of fine arts in Indian fine arts (BFA) 4 years.
Bachelor of arts in Indian art history (BA) 3-year and 4-year programs.

Music

Bachelor of arts (BA) 3 years from senior matriculation.
Bachelor of music (BMus) 4 years from senior matriculation.
Bachelor of music education (BMusEd) 4 years from senior matriculation.

Social work

Bachelor of Indian social work (BISW) 4 years.
Certificate in Indian social work (CISW) 2 years.

Extension programs

Evening, intersession and summer school classes and institutes are offered in conjunction with the University of Regina. The band welfare administrators and family service workers training program is available off campus through the department of Indian social work.

The certificate in administration in Indian management and administration is available on campus.

Off campus classes and programs are offered upon request to Indian communities through the department of continuing education/extension.

Admission Requirements

Same as for the University of Regina. See separate chapter.

Costs (1989-90)

Tuition: Arts, education, science and social work, $185 per 4 hour credit. Student fees: $28.25 per semester.

All fees are subject to change without notice.

Academic Year

Fall semester: Early September to end of December. Winter semester: January to end of April. Intersession: Early May to late June. Summer session: Early June to mid-August.

Grading System

Same as University of Regina. See separate entry.

Student Services

The objective of SIFC student services is to help students realize educational success and to assist students with the personal and social adjustments to an academic environment. Academic, career and social counselling and tutoring services in all subject areas are available. In keeping with the philosophy of bicultural education, Elders are available for student guidance. SIFC athletics provides students with a number of recreational and competitive sports opportunities.

SIFC students participate in a full range of intramural and intercollegiate sports under the direction of the athletics co-ordinator of the college and the University of Regina.

The University of Regina athletic facilities include the physical education centre which houses 2 gymnasia for basketball, volleyball, badminton and floor hockey. The centre also contains a teaching wing, study area, gymnastic area, and areas for fencing and judo. SIFC students participate in a full range of intramural and intercollegiate sports under the direction of the athletics co-ordinator of the college and the University of Regina.

Université de Sherbrooke*

Renseignements généraux

Adresse : 2 500 Boulevard de l'Université, Sherbrooke (Québec) J1K 2R1
Téléphone : (819) 821-7000
Télex : Bibuniv SHB 05836149

Recteur : Aldée Cabana, BSc, MSc, PhD

Demandes de renseignements : Prière d'adresser la correspondance d'ordre général à la secrétaire générale, Danielle Codère, LLL, DDN, MJur

Renseignements pour les admissions: Adresser les demandes de renseignements généraux au registraire, Jacques Carbonneau, BET, MEd(AdmScol)

Adjoints à l'admission : Michel Laval, Pierre Cabana

Professeurs à plein temps (1989-1990) : 580

Historique et statuts

L'Université de Sherbrooke fut établie par une loi de la législature québécoise sanctionnée le 5 mars 1954. Par la suite, des amendements ont été apportés par une loi sanctionnée le 23 juin 1978. L'université jouit également d'un décret d'érection canonique émis par la Sacrée Congrégation des séminaires et des universités le 21 novembre 1957.

La direction de l'université est confiée à un conseil d'administration de 22 membres. Les questions concernant les grades, le cycle des études et les cours sont soumises au conseil universitaire.

Terrains et bâtiments

A l'exception de sa faculté de médecine située sur le campus de l'est, au sein du centre hospitalier universitaire, l'Université de Sherbrooke occupe un terrain de 850 acres aux limites sud-ouest de la ville de Sherbrooke. Y sont situés 6 pavillons d'enseignement, un pavillon de l'administration, un centre social, une cafétéria, des résidences, 4 bibliothèques, un auditorium, un centre sportif, un gymnase et des terrains d'athlétisme.

Bibliothèques

La bibliothèque compte quelque 850 000 documents imprimés et 230 000 microcopies, répartis entre 4 établissements : la bibliothèque générale, ainsi que les bibliothèques de droit, des sciences et de médecine. La bibliothèque opère également une vidéothèque et une cartothèque.

Programmes et grades

A moins d'indication contraire, l'obtention d'un baccalauréat requiert 6 sessions (90 crédits) d'études après le DEC ou une formation équivalente, la maîtrise exige au moins 3 sessions d'études (45 crédits) après le baccalauréat et le doctorat demande au moins 6 sessions d'études (90 crédits) après l'obtention de la maîtrise. Le certificat et le diplôme sont des programmes généralement offerts à temps partiel et qui comportent 30 crédits.

Le crédit représente 45 heures consacrées par l'étudiant à une activité pédagogique (cours, stage, recherche) en incluant dans chaque cas, s'il y a lieu, le nombre moyen d'heures de travail personnel nécessaire suivant l'estimation de l'université.

Le régime d'études à temps plein comporte normalement 15 crédits par session.

On trouvera des détails sur les programmes au chapitre **Programmes préparant à un grade, un diplôme ou un certificat.**

Administration

Certificat d'administration des affaires
Certificat de comptabilité de gestion
Certificat de comptabilité financière
Certificat de comptabilité professionnelle
Certificat de gestion des ressources humaines
Certificat de gestion du marketing
Baccalauréat en administration des affaires (BAA) 6 sessions d'études et 3 stages.
Diplôme d'administration
Maîtrise en administration (MSc) 4 sessions.
Maîtrise en administration des affaires (MBA) 4 sessions d'études et 2 stages.
Maîtrise en fiscalité (MFisc)

Droit

Baccalauréat en droit (LLB)
Diplôme de droit notarial 2 sessions consécutives.
Diplôme de droit de la santé
Maîtrise en droit de la santé (LLM)

Éducation

Certificat d'applications éducatives de l'ordinateur
Certificat d'aptitude pédagogique à l'enseignement secondaire (CAPES) 2 sessions.
Certificat de didactique des moyens d'expression
Certificat de perfectionnement en enseignement au collégial
Certificat d'enseignement du français
Certificat de psycho-éducation
Baccalauréat en adaptation scolaire (BEd)
Baccalauréat en enseignement préscolaire et primaire (BEd)
Baccalauréat en enseignement professionnel (BEd)
Baccalauréat en information et orientation professionnelles (BEd) 6 sessions d'études ou 6 sessions d'études et 3 stages de travail.
Baccalauréat en psycho-éducation (BEd)
Diplôme d'enseignement
Diplôme d'enseignement professionnel
Diplôme de formation en éducation des adultes
Maîtrise en administration scolaire (MEd)

* Membre ordinaire de l'AUCC

Maîtrise en éducation spécialisée (MEd)
Maîtrise en enseignement
Maîtrise en orientation (MEd)
Maîtrise en sciences de l'éducation (MA)

Éducation physique et sportive
Certificat d'activité physique
Baccalauréat en activité physique (BSc) 6 sessions d'études ou 6 sessions d'études et 3 stages.
Diplôme d'intervention en activité physique
Maîtrise en kinanthropologie [MSc(Kin)]

Génie
Baccalauréat en génie chimique (BIng) 8 sessions d'études ou 8 sessions d'études et 4 stages.
Baccalauréat en génie civil (BIng) 8 sessions d'études ou 8 sessions d'études et 4 stages.
Baccalauréat en génie électrique (BIng) 8 sessions d'études ou 8 sessions d'études et 4 stages.
Baccalauréat en génie mécanique (BIng) 8 sessions d'études ou 8 sessions d'études et 4 stages.
Maîtrise en environnement (MEnv) 4 sessions.
Maîtrise en génie chimique (MScA)
Maîtrise en génie civil (MScA)
Maîtrise en génie électrique (MScA)
Maîtrise en génie mécanique (MScA)
Doctorat en génie chimique (PhD)
Doctorat en génie civil (PhD)
Doctorat en génie électrique (PhD)
Doctorat en génie mécanique (PhD)

Lettres et sciences humaines
Certificat d'aptitude à l'enseignement de l'anglais, langue seconde
Certificat de communications
Certificat d'études sur les femmes
Certificat de gérontologie
Certificat de langues modernes
Certificat de psychologie des relations humaines
Certificat de rédaction française
Certificat de service social
Certificat de traduction
Certificat d'expression artistique
Certificat multidisciplinaire
Baccalauréat en économique (BA) 6 sessions d'études et 3 stages.
Baccalauréat en études anglaises (BA) 6 sessions ou 6 sessions d'études et 3 stages.
Baccalauréat en études françaises (BA) 6 sessions ou 6 sessions d'études et 3 stages.
Baccalauréat en géographie (BSc) 6 sessions ou 6 sessions d'études et 3 stages.
Baccalauréat en histoire (BA)
Baccalauréat en philosophie (BA)
Baccalauréat en psychologie (BA)
Baccalauréat en service social (BServSoc)
Baccalauréat général (BA)
Diplôme de psychologie des relations humaines
Diplôme de gestion et développement des coopératives
Maîtrise en gestion et développement des coopératives (MA)
Maîtrise en économique (MA)
Maîtrise en études françaises (MA)
Maîtrise en géographie (MSc)
Maîtrise en gérontologie
Maîtrise en histoire (MA)
Maîtrise en littérature canadienne comparée (MA)
Maîtrise en philosophie (MA)
Maîtrise en psychologie des relations humaines (MPs)
Maîtrise en service social (MServSoc) 3 à 6 sessions intensives.
Doctorat en études françaises (PhD)
Doctorat en littérature canadienne comparée (PhD)
Doctorat en télédétection (PhD)

Médecine
Certificat de soins infirmiers
Certificat de santé et sécurité du travail
Certificat de toxicomanie
Baccalauréat en sciences infirmières (BSc)
Medicinae doctor (MD) 4 ans.
Diplôme de santé communautaire
Diplôme d'études spécialisées en médecine
Diplôme d'études supérieures en médecine de famille
Maîtrise dans la discipline appropriée (MSc)
Doctorat dans la discipline appropriée (PhD)

Sciences
Baccalauréat en biochimie (BSc)
Baccalauréat en biologie (BSc)
Baccalauréat en chimie (BSc) 6 sessions ou 6 sessions d'études et 3 stages.
Baccalauréat en informatique (BSc) 6 sessions d'études et 4 stages.
Baccalauréat en informatique de gestion (BSc) 6 sessions d'études et 4 stages.
Baccalauréat en mathématiques (BSc) 6 sessions ou 6 sessions d'études et 4 stages.
Baccalauréat en physique (BSc) 6 sessions ou 6 sessions d'études et 3 stages.
Maîtrise en biologie (MSc)
Maîtrise en chimie (MSc)
Maîtrise en environnement (MEnv) 4 sessions.
Maîtrise en mathématiques (MSc)
Maîtrise en physique (MSc)
Doctorat en biologie (PhD)
Doctorat en chimie (PhD)
Doctorat en mathématiques (PhD)
Doctorat en physique (PhD)

Théologie
Certificat de culture religieuse
Baccalauréat en théologie (BTh)
Maîtrise en sciences humaines des religions (MA)
Diplôme de théologie
Maîtrise en théologie (MA)

Conditions d'admission

1er cycle

Québec : Les candidats doivent posséder le DEC (diplôme d'études collégiales) ou l'équivalent.

Autres provinces : Les dossiers des candidats seront évalués en comparaison avec les conditions d'admission exigées des étudiants du Québec. Prière de s'adresser

au bureau du registraire pour obtenir de plus amples renseignements.

2e et 3e cycles
Les candidats doivent, en plus de démontrer des aptitudes pour les études supérieures, être titulaires du grade de 1er ou de 2e cycle préalable ou de l'équivalent.

Étudiants adultes

Les personnes qui ont passé au moins 2 années sur le marché du travail et dont l'expérience est jugée équivalente au DEC peuvent être admises à titre de candidat adulte.

Étudiants étrangers

Les dossiers de ces candidats seront évalués en comparaison avec les conditions d'admission exigées des étudiants du Québec.

Autre : En général les candidats qui ont terminé avec succès un programme de baccalauréat international sont admissibles.

Demandes et délais

Les candidats aux études du 1er cycle doivent soumettre leur demande d'admission avant le 1er mars pour le trimestre d'automne et avant le 1er novembre pour le trimestre d'hiver. Les candidats aux études des 2e et 3e cycles doivent présenter leur demande d'admission au moins 2 mois avant le début d'un trimestre.

Note : Étant donné que l'université est francophone, les cours se donnent en langue française et les candidats doivent posséder une connaissance suffisante de cette langue pour être admis à l'une ou l'autre des facultés.

Année universitaire

Le trimestre d'automne comprend les mois de septembre à décembre, celui d'hiver les mois de janvier à avril et celui d'été les mois de mai à août. L'été, on offre souvent les cours sur des demi-trimestres: mai-juin et juillet-août.

Système de notation

L'université a adopté officiellement le système des 5 lettres: A, excellent; B, très bien; C, bien; D, passable; E, échec; R, réussite; W, échec pour abandon. Ce système est assorti d'un mode de contrôle par la moyenne cumulative.

Services aux étudiants

La cité universitaire est le foyer de nombreuses activités qui contribuent à la culture ou à la détente des étudiants : concerts, conférences, théâtres, cinéma, activités sportives, discothèque et autres. De plus, reconnaissant l'importance du secteur de la vie étudiante, l'université a voulu lui donner des cadres qui favorisent son développement. Ces cadres comprennent une direction et les services suivants : aide financière et animation, logement, placement, psychologie et orientation, santé. Parmi les services commerciaux, on compte : une librairie, un coiffeur et un magasin co-op.

L'université peut accueillir dans ses résidences près de 1 200 étudiants et étudiantes. En outre, le service de logement tient à jour des listes de chambres et d'appartements disponibles aux étudiants et fournit des renseignements utiles sur ces logements.

Centres de recherche

Centre d'applications et de recherche en télédétection. Directeur : Ferdinand Bonn, LèsL, D3ecycle

Centre d'entreprise. Directeur : Alain Emond

Centre d'études de la Renaissance. Directeur : J. Martinez De Bujanda, D3ecycle

Centre de recherche en chimie bio-organique. Directeur : Pierre Deslongchamps, BSc, PhD

Centre de recherche en communication de Sherbrooke. Directeur : Sarto Morissette, BEng, MSIng

Centre de recherche en micro-électronique. Directeur : David Cheeke

Centre de recherche en physique du solide. Directeur : Serge Jandl, MSc, PhD, DSc

Centre de recherche sur les mécanismes de sécrétion. Directeur : Jean Morisset, BSc, PhD

Institut de recherche et d'enseignement en fiscalité. Directeur : Roch Godbout, MCom, MScCompt, CA

Institut de recherche et d'enseignement pour les coopératives. Directrice : Nicole St-Martin, BPed, MServSoc

Programme de recherche sur l'amiante de l'Université de Sherbrooke. Directeur : Carmel Jolicoeur, BSc, PhD

Simon Fraser University*

General Information

Address: Burnaby, British Columbia V5A 1S6
Telephone: (604) 291-3111
Telex: 04354614
NetNorth: USERID@SFU
Fax: (604) 291-4455

President and Vice-chancellor: William G. Saywell, BA, MA, PhD

Inquiries: Direct general correspondence to the office of the registrar

Director, admissions and liaison: Nick Heath, BA, MA

Full-time faculty (1989-90): 515

History and Governance

Simon Fraser University was established in 1963 by an act of the legislative assembly of British Columbia. Simon Fraser University is a provincial, non-denominational, co-educational institution and is governed by a 15-member board of governors and a 62-member senate.

International Mandate

The office of international co-operation maintains external contacts, drafts and assists the preparation of project proposals, and negotiates with funding agencies and international partners. It monitors and assists the administration of projects and exchanges, and acts as an information clearing house. The office also advises the university on international co-operation policies, procedures and strategies. The university's interests range from technical assistance through academic exchanges, research collaboration, institutional and human resource development, to public education. Contact: Dr. Gregg Macdonald, director, office of international co-operation. Telephone: (604) 291-4641.

Buildings and Grounds

The main campus is situated on a 500-hectare site on Burnaby Mountain, 15 km east of the centre of Vancouver (the population of greater Vancouver is 1,365,546). Buildings include the academic quadrangle, the W.A.C. Bennett Library, the Gordon M. Shrum Science Complex, teaching and learning complex, classroom complex, multi-purpose complex, school for the contemporary arts, administration building, university centre building, the gymnasium, student residences, day care complex and the Simon Fraser Theatre. The campus is wheelchair accessible. The university provides various services and facilities for the disabled student such as designated parking, taped library books, and limited on campus housing.

In the spring of 1989, Simon Fraser University at Harbour Centre was opened in downtown Vancouver. Dedicated to mid-career education, this new campus provides extension credit related to the advanced recurring, educational needs of the business, professional and cultural communities in the urban core.

Library

The library holdings consist of over 875,000 bound volumes, over 11,500 serials, and along with other information materials, total more than 1.5 million items. The collections are arranged in broad subject divisions. Reference service to patrons includes the use of commercial and public computer-based information services such as DIALOG, BRS, InfoTrac and databases available on tape. Computer searches for undergraduate students are subsidized by the library. The GEAC integrated computerized library system includes automated circulation and on-line catalogue components, and provides bibliographic access to the collection through terminals on-site or at a distance.

Special collections include the Collection of Past-Modern Avant-Garde Poetry, the Special Collections Wordsworth Materials, the Map and Curriculum Collections, the fine arts room recordings and slides, and the Research Data Library computer-readable files of statistical information.

Special facilities include microform readers and printers, tape listening carrels, photocopy machines, electric typewriters and the WordStation containing IBM and Macintosh computers and printers for student word processing needs. Reserved study rooms, a Braille typewriter, a Visualtek machine and assistance in finding and using library materials are available to disabled persons.

The Samuel and Frances Belzberg Library was established in January 1989 and serves the students and faculty of Simon Fraser University at Harbour Centre in downtown Vancouver. The library provides reference service, general and reserve loan materials, and access to the Bennett Library collections. On-line services range from the computerized library catalogue to searches of public and commercial databases, and form an essential element of this "electronic library".

Programs and Degrees

Simon Fraser University operates on a trimester system. Each semester is 16 weeks in length. Unless otherwise specified, general bachelor's degrees require 120 semester hours over 8 semesters and honors bachelor's degrees require 132 semester hours over 8 semesters. Semester hours are weights assigned to each course. A normal course load for a full-time student in a semester is 15 semester hours. Masters degrees normally require 30 semester hours following a bachelor's degree with high second-class standing or equivalent.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

* Ordinary member, AUCC

Arts
Bachelor of arts (BA)
Bachelor of arts (honors) [BA(Hons)]
Master of arts (MA) Minimum 30 semester hours following bachelor's degree with high second-class standing or equivalent.
Master of arts (criminology) [MA(Crim)]
Doctor of philosophy (PhD) Number of courses and semester hours vary subject to the department.
Master of fine arts (MFA)

Business administration
Bachelor of business administration (BBA)
Bachelor of business administration (honors) [BBA(Hons)]
Executive master of business administration program (MBA) 6 semester evening study program involving 12 courses and a research project.
Master of business administration program (MBA) daytime program; minimum 40 semester hours following a bachelor's degree in business administration.

Computing science
Bachelor of arts (BA)
Bachelor of science (BSc)
Master of science (MSc)
Doctor of philosophy (PhD)

Education
Bachelor of education (BEd) general degree. Requires minimum 150 semester hours usually taking 10 semesters, including the 3-semester professional development program.
Bachelor of education (honors) [BEd(Hons)] honors degree. Requires minimum 162 semester hours usually taking 10 semesters, including the professional development program.
Master of arts (education) [MA(Ed)], master of education (MEd) and master of science (education) [MSc(Ed)] Minimum 3 semesters (30 semester hours) following BA or BSc with high second-class standing or equivalent or BEd.
Doctor of philosophy (PhD)

Engineering science
Bachelor of applied science (BASc) Minimum 160 semester hours, with a graduation GPA of 3.0, which may be completed in 4 years (8 semesters).
Master of engineering (MEng)
Master of applied science (MASc) Minimum of 30 semester hours, following a bachelor's degree, in theoretical engineering, computer science or a related area with a GPA of at least 3.0.

General studies
Bachelor of general studies (BGS) A non-specialist degree program in the arts, science, education and interdisciplinary studies.

Kinesiology
Bachelor of science (kinesiology) [BSc(Kin)]
Bachelor of science (kinesiology) (honors) [Bsc(Kin)(Hons)]
Master of science (kinesiology) [MSc(Kin)] Minimum 18 semester hours and a thesis.
Doctor of philosophy (PhD) Minimum 6 semester hours beyond MSc(Kin) plus 2 seminars and thesis.

Natural resources
Master of resources management (MRM) For individuals with experience in public agencies or private organizations dealing with resources and for recent graduates in various disciplines related to natural resources management. Four semesters.

Science
Bachelor of science (BSc)
Bachelor of science (honors) [BSc(Hons)]
Master of science (MSc) Minimum 30 semester hours, consisting of various combinations of course work and thesis according to departmental requirements.
Master of science in geography (MSc) Minimum of 20 semester hours and a thesis.
Master of pest management (MPM) Not fewer than 44 credit hours, comprehensive examination at end of program and any additional courses deemed necessary by the supervisory committee.
Doctor of philosophy (PhD) Number of courses and semester hours vary depending on the department.

Special programs
Co-operative education programs are currently offered in biochemistry, biological sciences, business administration, chemical physics, chemistry, communication, computing science, digital systems design, engineering science, English, geography, history, kinesiology, liberal arts, management and systems science, mathematics and statistics, natural resources management, physics, psychology, and sociology and anthropology.

Interdisciplinary studies: All degree programs at Simon Fraser University require study outside of the declared area of major study. In addition, the university offers a large variety of joint major options.

Continuing education
Evening study: A sufficient number of appropriately sequenced late-afternoon and evening courses are offered for students to complete undergraduate degrees in 10 subject areas, minors in 7 areas, and a number of certificate and diploma programs during the 13-week fall, spring and summer semesters. Normal admission and registration procedures apply.

Intersession and summer session: Seven-week programs, subject to faculty regulations regarding course loads.

Distance education: Undergraduate courses in 14 disciplines are currently offered for distance learners; programs available are a bachelor of general studies, a second and subsequent bachelor's degree, minor degree programs in education, criminology and sociology/anthropology, certificate and diploma programs in criminology, a health and fitness studies

certificate program, and a liberal arts certificate program. Normal admission and registration procedures apply.

Off campus: Selected undergraduate courses and certificate programs are currently offered in downtown Vancouver (Simon Fraser University downtown) for the convenience of people working or living near the city centre. Graduate degree and post-graduate diploma programs in professional and interdisciplinary areas, and a structured undergraduate program in liberal studies directed primarily to adults, will be available downtown at the new centre for recurring advanced education which opened in January 1989 (Simon Fraser University at Harbour Centre). Courses applicable to a bachelor of education degree and to the faculty of education's extended studies diploma program are available at various centres, including Kamloops, Kelowna, and Prince George. The faculty also offers the professional development program (teacher training) throughout the province.

Diploma programs: Criminology, education, environmental toxicology, ethnic relations, gerontology, humanities, kinesiology, occupational science, public history and social policy issues.

Certificate programs: Actuarial mathematics, British Columbia studies, Chinese studies, criminology (general and advanced), English as a second language linguistics, family studies, French Canadian studies, French language proficiency, health and fitness studies, liberal arts, literacy instruction, public history, Spanish language proficiency, women's studies and senior citizens certificate.

Extended studies diploma: Offers those who hold a bachelor's or advanced degree (in any field of study) the opportunity to develop and follow a program of individualized study not usually provided by graduate or professional degrees. Students may develop programs in most disciplines in the faculties of applied sciences, arts, business administration, education and science. Diploma programs listed above (except gerontology) are core extended studies diploma programs.

Television: The university produces and telecasts a variety of programs on the public television channel of the Knowledge Network in support of on campus and distance education credit courses, in-service for teachers throughout the province, professional and personal development, and general viewing.

Continuing professional and liberal studies: Faculties, schools and departments sponsor university-level credit free programs (short courses, seminars, workshops, lectures, symposia, conferences) to meet particular community and adult learning needs. Programs are offered in downtown Vancouver as well as on-campus.

For further information contact the office of continuing studies, telephone, (604) 291-4565/4566.

Admission Requirements

Undergraduate

British Columbia: Secondary school graduation. Required courses must include: Math 11; language 11; science 11; English 12; and 3 academic Grade 12 subjects selected from algebra or math, biology, chemistry, computer science, English literature, French, geography, geology, German, history, Japanese, Latin, Mandarin, physics, Spanish, western civilization and writing. The average on English 12 and the best 3 additional academic Grade 12 subjects must be C+ or higher.

Alberta, Saskatchewan, Manitoba, Newfoundland, Nova Scotia, New Brunswick or Prince Edward Island: Completion of Grade 12 on a program acceptable for admission to the major universities in the home province. An average of 65% or higher is required.

Ontario: Graduation with the OSSD with an average of 65% or higher. At least 6 Ontario academic courses (OACs) or Grade 13 courses in academic subjects are required (check with admissions for a list of acceptable subjects). No transfer credit will be awarded for Ontario Grade 13 courses.

Quebec: Completion of the diploma of collegial studies at a CEGEP with an average of 75% (3.2) or higher. Maximum transfer credit will be 30 semester hours. Exceptionally able students may be admitted after first year CEGEP, must have demonstrated consistently high standards and have a CEGEP average of at least 80%. (The percentage requirements are based on a pass mark of 60%.) No transfer credit will be awarded for first year CEGEP.

Transfer students

Transfer from a university: Must be in good standing at the transferring university and have at least a 65% (2.4) average. All other conditions are the same as those applicable to students transferring from a BC university.

Transfer from Canadian institutes of technology and colleges of applied arts and technology: Average of 70% in a completed diploma program. Transfer credit is based on overall academic background and recommendations of the appropriate Simon Fraser University department.

Transfer students admitted from British Columbia universities and community colleges after a minimum of 1 year of coursework at 2.0 (C) average with transfer credit for approved courses. Transfer students admitted from recognized universities and colleges in other provinces after a minimum of 1 year of coursework at 2.4 (C+) average (higher averages required from CEGEP and technical colleges) with transfer credit for approved courses.

Mature students

Applicants must be at least 23 years of age and are admitted at the discretion of the admissions board.

Senior citizens

Students 60 years of age and over must meet normal admission requirements or those outlined for mature students. Tuition is free of charge.

Graduate

Students must normally have completed a bachelor's degree with high second class standing or its equivalent. Applications and inquiries should be directed to the chairman of the department concerned, and students should apply 3 months in advance of the semester in which they wish to register.

International students

Applicants must possess standing equivalent to normal requirements for Canadian students. Original documents are required with all applications. Notarized translations are required for documents in languages other than English and French.

A quota is in effect, limiting new international student admissions to no more than 7% of all new admissions. Specific entry quotas are also in place for business administration, computing science and other related programs. International students will be selected according to their previous academic performance. Application must be received at least 3 months prior to the semester of intended entry.

Students whose native language is not English must submit both a minimum TOEFL score of 570 and a Test of Written English (TWE) score of 5, or a minimum TOEFL score of 600.

UK and Commonwealth: GCE in 5 subjects with at least 3 at A-level.

USA: Grade 12 graduation and 30 semester hour (45 quarter hour) credits in acceptable transfer credit subjects in first year at an accredited university or college or high school average of 75% to gain admission to a leading university in the home state. CEEB scores recommended.

France: Baccalauréat (deuxième partie) (Series A-E).

Norway: Examen Artium

Germany and Austria: Reifezeugnis.

Other: Please apply to the office of admissions.

Application Deadlines

Fall semester: July 15; international students, June 3. Spring semester: November 15, international students, October 1. Summer semester: March 15; international students, February 1.

Academic Year

Spring semester: January to April. Summer semester: May to August. Fall semester: September to December. Intersession: May to June. Summer session: July to August.

Grading System

Excellent: A+, 4.33; A, 4.0; A-, 3.67. Good: B+, 3.33,; B, 3.0; B-, 2.67. Satisfactory: C+, 2.33; C, 2.0; C-, 1.67. Marginal: D, 1.0. Unsatisfactory: F, 0.0. No numerical equivalent is given for the following letter grades: F, failure; DE, deferred grade; N, did not write; AE, aegrograt, compassionate pass.

Student Life and Services

Simon Fraser student society plays an important role in student life af the university. Representing all graduate and undergraduate students, the student society provides a wide range of free and low cost consumer and advocacy services ranging from a bookstore, printshop, Cinema Simon Fraser series and postal services, to a legal clinic, women's centre, cable FM radio station and campus newspaper. Funding and support services are provided for the social, cultural and political activities of clubs and departmental student unions. The student society's university centre building provides food services, lounge facilities and regular live entertainment.

The student society also acts to protect and promote the interests of students on issues like tuition, funding, student aid, enrolment limitations, and grading practises. The student society ombudsoffice ensures that students' rights are observed within the university.

The student society is organized on a grassroots basis through departmental student unions and graduate student caucuses. Student forum is the representative decision-making body composed of 6 executive members elected at large, a graduate student representative and 1 elected representative from each of the 25 departmental student unions. Students also have elected representatives on the university senate, board of governors and dozens of departmental, faculty and university committees where their input plays a role in determining university policy.

Men and women athletes compete in basketball, cross-country, track and field, soccer, swimming and skiing programs. Women also compete in volleyball and field hockey, while men compete in football, golf and wrestling. Two full gymnasia, a swimming and diving pool, tennis courts, squash and racquetball courts, playing fields, running track, weight rooms and saunas are available to athletes, sports enthusiasts and the general public. Intramural activities, recreational clubs, an outdoor recreation centre offering rental equipment and instruction, and fitness classes, all cater to a wide range of students' interests.

Services on campus include orientation sessions, the academic advice centre, audio-visual centre, health services, counselling service, day-care centre, chaplaincy, Canada Employment Centre, a bank, bookstores, gas station with convenience store, and several cafeterias. A resource person will acquaint disabled students with facilities available to them on campus. Contact Mrs. E. Lennox, student services, telephone, (604) 291-4170. Day-care facilities are available for children 3 months to 5 years old and services are provided for school children up to 11 years old. Contact the day care office, telephone, (604) 291-4569.

The residence complex provides single-room accommodation for 66 women, a co-educational dormitory accommodating 160 students in 20 double and 120 single rooms, an apartment residence with 210 suites, and a new co-educational dormitory building with 200 single rooms. The university also has a listing service for various types of accommodation within commuting distance of the campus. Transportation facilities include a regular bus service and several parking lots.

The museum of anthropology and the Simon Fraser Gallery offer regular exhibitions; cinema Simon Fraser offers first-run movies at no cost to students; and the centre for the arts presents performances, film screenings and informal student presentations as part of its degree programs.

The alumni association seeks to support and further higher education at Simon Fraser University through strong alumni involvement. Members include those who have completed an SFU degree, certificate or diploma program, or the professional development program in education. The association offers programs and services for alumni, maintains alumni records, conducts an annual fundraising campaign for student aid and publishes the Alumni Journal.

Research Institutes

Bamfield Marine Station. Director: J.E. McInerney

Behavioral Ecology Research Group. Director: L.M. Dill

Centre for International Studies. Director: D. Ross

Centre for Pest Management. Director: J.P.M. Mackauer

Centre for Policy Research on Science and Technology. Director: W. Leiss

Centre for Systems Science. Director: N. Cercone

Chemical Ecology Research Group. Director: J. Borden

Community Economic Development Centre. Contact: R.S. Anderson

Criminology Research Centre. Director: C.T. Griffiths

Energy Research Institute. Director: S.R. Morrison

Enterprise Centre. Director: W. Wedley

Gerontology Research Centre. Director: G. Gutman

Historical Records Institute. Director: D. Cole

Institute for Applied Logic. Director: R. Jennings

Institute for Aquaculture Research. Director: L. Druehl

Institute for Business Studies. Director: W. Wedley

Institute for Human Performance. Director: E. Banister

Institute for Quaternary Research. Director: A. Roberts

Institute for Studies in Criminal Justice Policy. Director: J.W. Ekstedt

Institute of Fisheries Analysis. Director: P. Copes

Institute for the Humanities. Director: J. Zaslove

Institute of Molecular Biology and Biochemistry. Director: B.P. Brandhorst

Laboratory for Computer and Communications Research. Director: T. Kameda

Northern Justice Society Resource Centre. Director: C.T. Griffiths

Psychology and Law Institute. Director: H. Stevens

Tri-university Meson Facility (TRIUMF). Director: E. Vogt

Research Chairs

Gordon Shrum Chair in Science. M. Wortis

Ruth Wynn Woodward Chair in Women's Studies. Hilda Ching

The University of Sudbury*

Le texte français se trouve à la suite/French version follows

General Information

Address: Ramsey Lake Road, Sudbury, Ontario P3E 2C6
Telephone: (705) 673-5661
Cable: University of Sudbury, Sudbury, Ontario

President: L. Larouche, sj, BA, LPh, LTh, MSc, DSc

Inquiries and high school liaison: Direct general inquiries to the registrar, Ronald Perron, sj, BA, LPH, LTh, MEd

Enrolment (1989-90): Enrolment data added with Laurentian University.

Full-time faculty (1989-90): 19

History and Governance

The University of Sudbury was founded by the Jesuits in 1913 under the name Collège du Sacré Coeur. In 1914, the Ontario legislature granted the college a charter empowering it to award degrees in arts, in sciences and in other branches of learning. For many years the Collège du Sacré Coeur served the French community of Northern Ontario, awarding degrees in arts in affiliation first with the University of Ottawa and later with Université Laval. In 1957, the name of the college was changed to the University of Sudbury and it began to award degrees in its own right. When Laurentian University was established in 1960, the University of Sudbury was one of the founding members of the federation. With the establishment of Laurentian, the University of Sudbury agreed to hold its degree-granting powers in abeyance except in the field of theology. Within the federation it is a Catholic church-related college under the direction of the Jesuit Fathers.

As a federated college of Laurentian, the University of Sudbury has accepted to be bound in many matters by the decisions of the Laurentian University senate and board of governors. Its own senate and board make decisions with respect to those areas in which the college retains its independence and also make recommendations to the governing bodies of Laurentian.

The University of Sudbury is governed by a 20-member board of regents and an 11-member senate.

Buildings and Grounds

The University of Sudbury is situated on land adjacent to the Laurentian Campus overlooking Ramsey and Nepahwin Lakes. Two buildings have been erected on the campus: Canisius Hall and the L. Matte residence. Both buildings are accessible to disabled students. Administration offices, classrooms, chapel and Jesuit residence are located in Canisius Hall.

Library

The library contains 39,600 volumes in the field of religious studies, philosophy, folklore and native studies, as well as 162 titles of periodicals, most of which are related to these 4 subjects. In stocking the library an effort is made to supplement rather than to duplicate materials present elsewhere on the Laurentian campus.

Programs and Degrees

Three credits normally represent 3 lecture hours per week for 1 term. Six credits is usually equivalent to either 3 lecture hours per week for 2 terms or 6 lecture hours per week for 1 term. Extra credits may occasionally be awarded for labs or particularly demanding courses.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts

Bachelor of arts (BA) general program, 3 years (90 credits) from senior matriculation. Honors program, 4 years (120 credits) from senior matriculation.

Continuing education

The University of Sudbury, in co-operation with Laurentian University, offers courses during the evening both on campus and in many outside centres in Northern Ontario. Similarly, an intersession and summer session program of courses is available.

Some courses in folklore, native studies, philosophy and religious studies are also offered by correspondence.

Admission Requirements

Same as for the Laurentian University. See separate entry.

Costs (1990-91)

Tuition: Fees are equivalent to those of Laurentian University. See separate entry.

Residence: $1,765 (double room) and $2,040 (single room).

All fees are subject to change without notice.

Academic Year

Winter session: Mid-September to late April. Summer session: A 6-week day session from early July to mid-August and an evening spring session from end of April to mid-July.

Grading System

See Laurentian University entry.

Student Life and Services

Students registered at the University of Sudbury are represented at Laurentian through the students' general association and l'association des étudiants francophones.

* Ordinary member, AUCC. Federated with Laurentian University of Sudbury.

The University of Sudbury also has its own student council and residence council. In addition to representation on Laurentian administrative and academic bodies, students at the University of Sudbury also sit on the board of regents, the senate, the library committee, the faculty affairs committee and the scholarship committee of the college.

The Lucien Matte residence offers accommodation to 168 men and women in single and double rooms. Kitchen and laundry facilities are available.

Students of the University of Sudbury are also students of Laurentian University and enjoy all of the services made available by that institution. (For details, see separate entry). The services of the Canada Employment Centre at Laurentian are equally available to students of the University of Sudbury. Students at the University of Sudbury purchase books through the Laurentian University bookstore.

Students at Laurentian University are welcome to attend the Roman Catholic religious services which are offered in both English and French under the auspices of the university parish at the University of Sudbury. Academic counselling is provided by the registrar.

The college endeavors to create an atmosphere in which both day and resident students will feel welcome to seek academic and personal guidance from faculty.

A bus service connects the college with downtown Sudbury, and parking is available for students and faculty.

Research Centres

Franco-Ontarian Folklore Centre. Director: G. Lemieux, sj MA, PhDL

Université de Sudbury*

Renseignements généraux

Adresse : Chemin du lac Ramsey,
Sudbury (Ontario) P3E 2C6
Téléphone : (705) 673-5661
Cable : Université de Sudbury, Sudbury (Ontario)

Recteur : Laurent Larouche, sj, BA, LPh, LTh, MSc, DSc

Demandes de renseignements et agent de liaison, écoles secondaires : Prière d'adresser la correspondance générale au secrétaire général, Ronald Perron, sj, BA, LPh, LTh, MEd

Inscriptions (1989-1990) : Données sur les inscriptions ajoutées à celles de l'Université Laurentienne.

Professeurs à plein temps (1989-1990) : 19

Historique et statuts

L'Université de Sudbury a été fondée par les pères Jésuites en 1913, sous le nom de Collège du Sacré-Coeur. En 1914, l'Assemblée législative de l'Ontario accordait au collège une charte l'autorisant à octroyer des grades en arts, en sciences et en d'autres branches du savoir. Durant plusieurs années le Collège du Sacré-Coeur est demeuré au service de la collectivité francophone du nord de l'Ontario, conférant des grades en arts grâce à une affiliation, d'abord avec l'Université d'Ottawa et plus tard avec l'Université Laval. En 1957, le nom du collège a été changé en celui d'Université de Sudbury. C'est alors que cette dernière a commencé à octroyer ses propres grades. A l'établissement de l'Université Laurentienne, en 1960, l'Université de Sudbury fut l'une des institutions fondatrices de la fédération. A ce moment-là, l'Université de Sudbury a accepté de laisser en suspens son pouvoir d'octroyer des grades excepté en théologie. Au sein de la fédération, Université de Sudbury est le collège catholique romain. Elle est dirigée par les pères Jésuites.

A titre de collège fédéré de l'Université Laurentienne, l'Université de Sudbury a accepté, dans plusieurs domaines, d'être liée par les décisions du sénat et du bureau des gouverneurs de cette université. Son propre conseil et son sénat prennent les décisions relatives aux secteurs dans lesquels elle a conservé son indépendance; ils font aussi des recommandations aux conseils d'administration de l'Université Laurentienne.

L'Université de Sudbury est régie par un conseil de 20 régents et un sénat de 11 membres.

Bâtiments et terrains

L'Université de Sudbury est située sur un terrain adjacent au campus de l'Université Laurentienne ayant une vue sur les lacs Ramsey et Nepahwin. Deux édifices ont été construits sur le campus : le pavillon Canisius et la résidence L. Matte. Ces 2 édifices sont accessibles aux personnes handicapées. Les bureaux de l'administration, les salles de cours, la chapelle et la résidence des Jésuites sont situés dans le pavillon Canisius.

Bibliothèque

La bibliothèque contient 39 600 volumes consacrés surtout aux sciences religieuses, à la philosophie, au folklore et aux études amérindiennes, ainsi que 162 périodiques dont la plupart se rapportent à ces 4 domaines. Le choix des volumes est fait de façon à ajouter à la collection des autres bibliothèques du campus de la Laurentienne plutôt qu'à faire double emploi avec cette matière.

Programmes et grades

Trois crédits représentent d'ordinaire 3 heures de cours par semaine pendant 1 trimestre. Six crédits équivalent habituellement à 3 heures de cours par semaine pendant 2 trimestres ou à 6 heures de cours par semaine pendant 1 trimestre. Il arrive qu'on accorde des crédits supplémentaires pour les travaux en laboratoire ou pour un cours particulièrement exigeant.

On trouvera les détails sur les programmes au chapitre **Programmes préparant à un grade, un diplôme ou un certificat.**

Arts

Baccalauréat ès arts (BA) programme général, 3 ans (90 crédits) après la 13^{e} année. Programme spécialisé, 4 ans (120 crédits) après la 13^{e} année.

Éducation permanente

L'Université de Sudbury, en coopération avec l'Université Laurentienne, offre des cours du soir à l'université même et dans plusieurs centres du nord de l'Ontario. Des cours sont offerts également en soirée à la session du printemps et durant l'été.

Cours par correspondance : Certains cours en folklore, en études amérindiennes, en philosophie et en sciences religieuses sont aussi offerts par correspondance.

Conditions d'admission

Elles sont les mêmes qu'à l'Université Laurentienne. Voir chapitre correspondant.

Frais (1990-1991)

Droits de scolarité : correspondent à ceux l'Université Laurentienne. Voir chapitre correspondant.

Résidence : 1 765 $ (double) et 2 040 $ (simple).

Tous les droits sont sujets à changement sans préavis.

* Membre ordinaire de l'AUCC. Fédérée avec l'Université Laurentienne de Sudbury.

Année universitaire

Session d'hiver : de la mi-septembre à la fin d'avril. Session d'été : une session de jour de six semaines, du début de juillet à la mi-août et une session du printemps, le soir, de la fin d'avril à la mi-juillet.

Système de notation

Voir le chapitre de l'Université Laurentienne.

Vie étudiante et services aux étudiants

Les étudiants inscrits à l'Université de Sudbury sont représentés à la Laurentienne par la students' general association et l'association des étudiants francophones. L'Université de Sudbury a aussi son propre conseil des étudiants et son conseil de résidence. En plus d'être représentés dans les organismes universitaires et administratifs de l'Université Laurentienne, les étudiants de l'Université de Sudbury sont représentés au conseil des régents, au sénat, au comité de la bibliothèque, au comité des affaires professorales et au comité des bourses du collège.

La résidence Lucien Matte offre un logement à 168 étudiants et étudiantes dans des chambres pour 1 ou 2 personnes. Une cuisine et des buanderettes sont à la disposition des occupants.

Les étudiants de l'Université de Sudbury sont également inscrits à la Laurentienne et bénéficient de tous les services qu'elle offre. (Pour détails, voir le chapitre de l'Université Laurentienne de Sudbury). Les services du Centre d'emploi du Canada, à l'Université Laurentienne, sont également à la disposition des étudiants de l'Université de Sudbury. Les étudiants de l'Université de Sudbury achètent leurs livres par l'intermédiaire de la librairie de l'Université Laurentienne.

Les étudiants de l'Université Laurentienne peuvent assister aux services liturgiques offerts en français et en anglais par la paroisse universitaire catholique romaine, à l'Université de Sudbury. On peut s'adresser au secrétaire général pour des conseils de nature pédagogique.

Le collège s'efforce de créer une atmosphère où les étudiants, externes et pensionnaires, peuvent librement consulter les conseillers pour leurs affaires universitaires ou personnelles.

Un service d'autobus relie l'université au quartier des affaires de Sudbury et des parcs de stationnement sont à la disposition des étudiants et des professeurs.

Centre de recherche

Centre franco-ontarien de folklore. Directeur : G. Lemieux, sj, MA, PhD

Technical University of Nova Scotia*

General Information

Address: P.O. Box 1000, Halifax, Nova Scotia B3J 2X4
Telephone: (902) 420-7500
Telex: (TUNS) 019-21566
Fax: (902) 420-7551

President: Peter F. Adams, BEng, MEng, PhD, PEng

Inquiries: Direct general correspondence to the registrar's office

Full-time faculty (1989-90): 100

History and Governance

The Nova Scotia Technical College was created by an act of the provincial legislature in 1907. Teaching began in 1909 and the first degrees were awarded in 1910. In 1947 the act of 1907 was repealed and replaced by 2 new acts which separated engineering education and secondary technical education and provided for the establishment of graduate studies. In June of 1980, the college was renamed Technical University of Nova Scotia.

The university is non-denominational and co-educational. It is governed by a 31-member board of governors. A senate and faculties are responsible for academic policy.

International Mandate

The international programs office is the point of first contact for all international visitors, institutions, agencies and students. It co-ordinates the university's international development activities, assists and facilitates external links, collects information on international development, and promotes it internally. The university participates in 10 countries around the world in a broad range of projects concerned with advanced professional education, research and specialized services in professional engineering, architectural studies and computer science. Contact: Robert F. Eagle, director, international development programs. Telephone: (902) 420-7500.

Buildings and Grounds

The university is located on an 18-acre site in downtown Halifax, the provincial capital (metropolitan population 286,000). There are 11 buildings containing classrooms, laboratories, a computer centre, research facilities in all departments, the administration, a gymnasium, a common room, the library and a student residence.

Library

The library contains over 70,000 volumes and over 1,200 periodical subscriptions. It also contains some 75,000 microfiche, 2,000 rolls of microfilm and a number of audio and videotapes including the equipment to service this multi-media collection.

Programs and Degrees

For architecture programs, a full credit normally represents 1 course for 1 term. This includes 6 hours of student time, 1' hours lecture and the remaining time for laboratory work. Design courses take considerably more time.

Engineering and computer science programs normally require 2 terms of 14 weeks per term. During this time students must complete 6 courses per term. One course usually represents 5 hours of student time per week (3 hours lecture, 2 hours in laboratories or vice versa).

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Architecture

The professional program in architecture is 4 years in length following 2 years of study in another university in any degree program. An intermediate non-professional degree, bachelor of environmental design studies (BEDS), is awarded after 5 terms of study and 14-week mandatory work period; the first professional degree, master of architecture, is awarded after 3 additional terms of study and a 28-week work period. A post-professional master of architecture degree is also awarded following a minimum of 1 year of study from the first professional degree. The master of environmental design studies (MEDS) is a non-professional degree and is a minimum of 1 year of study. The master of urban and rural planning degree (MURP) is awarded after 2 years of study following transfer from a recognised university with appropriate credits.

Engineering

Bachelor of engineering (BEng) 3 years after transfer with diploma or certificate from an associated university. Applicants from other universities considered on an individual basis.

Bachelor of engineering/Master of applied science (BEng/MASc) Co-operative study program leading to a degree in metallurgical engineering. Eight study terms, 4 work terms, after transfer with diploma or certificate from an associated university.

Master of engineering (MEng) Course work program. At least 1 year from BEng.

Master of applied science (MASc) Research program. At least 1 year from BEng or science degree.

Master of applied science (MASc) Naval architecture and marine engineering. Research program. Twenty months full-time or equivalent part-time from BEng or science degree.

Master of science (engineering mathematics) At least 3 academic terms from bachelor's degree in engineering, engineering physics or mathematics. Part-time studies also available.

* Ordinary member, AUCC

Master of science (food science) At least 1 year full-time work from BEng or BSc degree.
Doctor of philosophy (PhD) At least 2 years from MEng or 3 years from BEng; at least 2 years from MSc in food science.

Computer science

Bachelor of computer science (BCompSci) The last 2 years of a 4-year program.
Master of computer science (MCompSci) At least 1 year program with a thesis option or project option following completion of 4-year undergraduate program in computer science.

Continuing education

The division offers short courses, seminars, special lectures, specialist courses, workshops and so forth. Courses can be given on-campus or off- campus. It is possible to take courses for credit under the continuing education program. Continuing education units will be assigned to some offerings as a measure of achievement.

Admission Requirements

Undergraduate

Canadian and international students: For admission to the faculty of architecture, at least 2 years of successful study in a degree program at a recognized university or equivalent institution is required; a university letter of recommendation and a portfolio are also required, as well as a university course in mathematics (unless the applicant sits for an entrance exam).

Candidates seeking admission to the engineering program must have a certificate or diploma in engineering (2-year program) from an associated university: Acadia University, Saint Mary's University, Dalhousie University, University of Prince Edward Island, Mount Allison University, Nova Scotia Agricultural College, Saint Francis Xavier University, University College of Cape Breton. Students who have completed equivalent studies at other universities may apply.

Graduate

Canadian and international students: Admission into the first-professional master of architecture degree program from BEDS requires a GPA of 2.5 and approval from an admissions committee. Admission to the post-professional MArch degree is open to applicants who already hold a professional degree in architecture. Admission to the master of environmental design studies program must have either a bachelor's degree with honors, a bachelor's degree related to the proposed area of study or a BEDS degree. Admission to the master of urban and rural planning program requires an undergraduate degree with high scholastic standing or an undergraduate degree with substantial professional experience in planning.

For admission to master of engineering, course work program, an undergraduate degree in engineering with high scholastic standing from a recognized university.

For admission to master of applied science research program, an undergraduate degree in engineering with high scholastic standing or a degree in science with honors from a recognized university.

Admission to the master of science (engineering mathematics) program is restricted to candidates with high standing in one of the following undergraduate degree programs: Mathematics; physics; engineering physics; or engineering. Applicants must have an aptitude for applied mathematics and have taken 2 full mathematics courses during year 3 of university.

For admission to the master of science (Food science) program, a BSc degree from a recognized university in 1 of the following disciplines: Food science; dairy science; chemistry/biochemistry; microbiology; nutrition or home economics with suitable background; or undergraduate degree in engineering from a recognized university.

Bachelor of engineering/Master of applied science in metallurgical engineering. A certificate or diploma in engineering from an associated university is required. Applicants should have an average of 70% in their last 3 university terms.

Senior citizens

Senior students are expected to meet normal admission requirements.

Application Deadlines

All applications for undergraduate programs must be received by July 2, but applications will be considered after that date.

NOTE: As a condition of registration, all students must provide proof of adequate health insurance coverage.

Academic Year

Architecture (BEDS): Co-op 1 (3 study terms), September to August; co-op 2, September to August (2 study terms, 1 work term).

Architecture (MArch, first professional degree): Co-op 3, September to August (1 study term, a double work term of 28 weeks); co-op 4, September to April (2 study terms). Post-professional MArch and MURP: 12 months with normal commencement in September.

Undergraduate engineering: September to May with 2 terms. Graduate studies, engineering and computer science: 12 months with normal commencement in September.

Grading System

Standing is graded in each engineering and computer science subject as follows: A (80-100) 4.0 GPA; B (70-79) 3.0 GPA; C (60-69) 2.0 GPA; D (40-59) 1.0 GPA; F (0-39) 0 GPA.

Student Life and Services

The objectives of the students' society are to provide an approved and recognized form of student government and to enable members to plan, direct, and participate in

extra-curricular activities. Sports and major social events are organized by the society. The society functions through an architectural students association and an engineering undergraduate society. An executive committee, which includes representatives of the ASA and the EUS, forms a student council. General meetings of the society are held twice during the university year. Graduate students are members of the society.

The students have representation on the college board of governors with 2 members elected by and from the students.

Student branches of faculty counsellors are established for many Canadian and international societies, and institutes associated with the profession of engineering. The architectural undergraduate society organizes talks, film and slide showings, and social events. Programs are run throughout the year to provide opportunities to meet members of the professions and the general public.

International students are welcomed by various ethnic societies organized outside of the university. International students should make themselves known to the dean of student services telephone, (902) 420-7598.

The university maintains an involvement in international development through its international programs office. For information contact the director telephone, (902) 420-7500.

The university residence, M.M. O'Brien Hall, accommodates 122 students. A listing of off-campus housing is also maintained.

Medical and hospital services are provided free of charge in accordance with provincial health insurance plans.

For students not covered under a provincial plan, health insurance may be obtained.

A Canada Employment Centre maintains a full-time student placement office on the campus and offers assistance to graduating, postgraduate and undergraduate students.

Research Institutes

Applied Microelectronics Institute. Director: D. Pincock, MSc, PhD

Atlantic Industrial Research Institute. Director: G.P. Wilson, BEng, MSc

Bio-Medical Engineering Institute. Head: A.E. Marble, BEng, MEng, PhD

Canadian Institute of Fisheries Technology. Director: M.A. Tung, BSA, MSA, PhD

Centre for Energy Studies. Co-ordinator: R. Eagle, BEng, MBA

Centre for Marine Vessel Design and Research. Director: C.C. Hsiung, PhD

Centre for Water Resources Studies. Director: D.H. Waller, BEng, DIC, PhD

Computer-Aided Design/Computer-Aided Manufacturing Centre. Director: A.A. Mufti, BEng, MEng, PhD

Minerals Engineering Centre. Director: L.A. Adonjan, BSc, PhD

Vehicle Safety Research Team. Co-ordinator: C.R. Baird, BEng, MASc, PhD

University of Toronto*

General Information

Address: Toronto, Ontario M5S 1A1
Telephone: (416) 978-2011
Cable: University of Toronto, Ontario, Canada
Telex: 06-218915 UT ENG TOR
Fax: (416) 978-8182
NetNorth: UTORONTO

President: J. Robert S. Prichard, MBA, LLM, LLB

Inquiries: Direct general correspondence to the vice-president and provost, Joan E. Foley, BA, PhD

High school liaison officer: Alan Hill, associate director of admissions, telephone: 978-2771

Full-time faculty (1989-90): 2,436

History and Governance

The University of Toronto was founded in 1827 by royal charter as King's College at York in Upper Canada, in close connection with the Church of England and designated The Provincial University. In 1843 instruction began at King's College and the first degrees were granted in 1844. In 1849 the college was secularized, its connection with the Church of England removed and it was renamed the University of Toronto. In 1851 the Church of England founded the University of Trinity College. Some other denominations had already established colleges. Victoria University had been founded by the Methodists in 1836 and the Basilian order had established The University of St. Michael's College in 1852. In 1853 University College was established and given the entire work of instruction while the university itself became a legislative and examining body only. In the early 1880s, representatives of the other 3 colleges entered into negotiations for federation, which was embodied in an act of the Ontario legislature in 1887. The University of Toronto Act of 1906 laid the foundation of the constitution of the university until 1971.

The 1968-1971 examination by the university of its governmental structure resulted in the University of Toronto Act of 1971 which repealed all previous acts relating to the university. The act was amended in 1978.

The University of Toronto is under provincial control and is co-educational and non-denominational. The university is federated with the Universities of Victoria, Trinity and St. Michael's Colleges. Federation is confined to the faculty of arts and science in the university. Present authority is that of the University of Toronto Act of 1971 which provides for the government of the university by a unicameral body known as the governing council which consists of 50 members.

International Mandate

The institute fosters all the university's international activities, including technical assistance, training courses, academic exchanges and applied research. It recommends policies, helps initiate and co-ordinate international activities of faculty members, and facilitates contacts with overseas institutions and funding agencies. The institute also administers international contracts and agreements, and receives foreign visitors. The university has diverse teaching and research programs in the international area. Contact: director, institute for international programs. Telephone: (416) 978-4168.

Buildings and Grounds

The St. George campus of the university is in downtown metropolitan Toronto (population 2,900,000). Four of the city's principal north-south arteries bound or cut through this campus. The Scarborough campus is 33 km to the east and the Erindale campus is 33 km to the west of the main campus. Other university properties include the faculty of dentistry building in the downtown hospital district, the university survey camp and the David Dunlap Observatory.

There are special facilities for teaching, clinical investigation and medical research in the medical sciences building, the Banting Institute, the C.H. Best Institute and in the 11 affiliated teaching hospitals. In addition to well- equipped departments embracing most areas of research, the university maintains a series of research centres. Besides the David Dunlap Observatory for research in astronomy, off-campus facilities include a 24-inch telescope at Cerro Las Campanas in Chile, air cushion research and sonic boom facilities at the Institute for Aerospace Studies and a geomagnetic laboratory at Erindale.

Libraries

The university's library system consists of some 50 libraries containing more than 7 million volumes and growing by more than 151,000 items each year. The library currently subscribes to more than 37,000 serial titles; other material includes nearly 8,000 manuscript titles, 250,000 maps, more than 3 million items in microform, and over 915,000 other non-book items.

The major portions of these collections are available in the John P. Robarts Research Library (for material in the humanities and social sciences), the science and medicine library, the engineering library, the earth sciences library, the Thomas Fisher Rare Book Library, and the Sigmund Samuel library. The remaining 2' million volumes are housed in many libraries across campus, either in colleges affiliated to the university, or special collections dealing with such subjects as music, law, architecture, chemistry, physics, environmental studies, and criminology.

The Robarts Library, opened in 1973, houses the university library's central administration and operations.

* Ordinary member, AUCC

The Robarts Library offers more than 3,500 study places, including nearly 700 private carrels, and has an ultimate stack capacity of 4.7 million volumes.

The Thomas Fisher Rare Book Library has major special collections in many fields. Some of its more significant holdings may be found in the Hannah Collection (history of medicine); the Darwin Collection; the Buchanan Collection (Spanish literature); Italian Plays Collection; Fisher Collections of Hollar and Shakespeare; Stillman Drake Collection (Galileo and his contemporaries); the DeLury Collection (Anglo-Irish literature); the L.B. Duff Collection (the book arts); NSZZ Solidarnosc (Solidarity movement in Poland); Petlice Collection (suppressed contemporary Czechoslovak literature); and the Maclean Hunter Collection of trade journals by this publisher. The Fisher Library also has extensive holdings of Canadian historical and literary works, including the papers of such Canadian authors as Margaret Atwood, Earle Birney, Ernest Buckler and Leonard Cohen.

A wide variety of sophisticated information retrieval services are available in the library. Felix, the library's computerized on-line catalogue and circulation system, provides access to the library's main collections and is also accessible from home or office via a personal computer.

Programs and Degrees

Bachelor's degrees are 3 years (15 courses) or 4 years (20 credits) from senior matriculation unless otherwise specified. Master's degrees require at least 1 year from 4-year bachelor's degrees and doctorates require 2 years from master's degree unless otherwise specified.

One full credit normally represents 1 full course requiring either 3 lecture hours per week for 2 terms, or 6 lecture hours per week for 1 term. One half credit is usually equivalent to 3 lecture hours per week for 1 term.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Architecture

Bachelor of architecture (BArch) 5 years after completion of secondary school studies including a full program of academic work at the Grade 13/OAC level or equivalent.
Bachelor of landscape architecture (BLA) 5 years from senior matriculation.

Arts

Bachelor of arts (BA) 15 courses (for 3-year degree) or 20 courses (for 4-year degree) after completion of secondary school studies including a full program of academic work at the Grade 13/OAC level or equivalent.
Master of arts (MA)
Doctor of philosophy (PhD)
Master of philosophy (PhilM) Open to university graduates in arts by pursuing advanced course of study following a master's degree for at least 1 year under direction of 1 department.

Commerce

Bachelor of commerce (BCom) 23 courses after after completion of secondary school studies including a full program of academic work at the Grade 13/OAC level or equivalent.
Master in business administration (MBA) 2 years from first degree.
Doctor of philosophy (PhD) At least 2 years from MBA.

Computing and data processing

Master of science (MSc) Graduates of degree courses with substantial background in computer science will be admitted to 1-year program.
Doctor of philosophy (PhD) At least 2 years from MSc.

Dentistry

Bachelor of science in dentistry BScD (Dental hygiene) 2 years beyond university diploma in dental hygiene or equivalent.
Doctor of dental surgery (DDS) 4 years from 2 pre-professional years beyond senior matriculation (6 years beyond senior matriculation).
Diploma in oral and maxillofacial surgery and anesthesia (DipOralMaxfaSurg & Anes) At least 36 months (over 3 calendar years) from DDS degree.
Diploma in oral pathology (DipOralPath) At least 36 months (over 3 calendar years) from DDS degree.
Diploma in dental anesthesia (DipDentAnesth) At least 24 months (over 2 calendar years) from DDS degree.
Diploma in dental public health (DDPH) At least 24 months (over 2 calendar years) from DDS degree.
Diploma in oral radiology (DipOralRad) At least 24 months (over 2 calendar years) from DDS degree.
Diploma in orthodontics (DipOrthodont) At least 24 months (over 2 calendar years) from DDS degree.
Diploma in pediatric dentistry (DPedDent) At least 24 months (over 2 calendar years) from DDS degree.
Diploma in periodontics (DipPeriodont) At least 24 months (over 2 calendar years) from DDS degree.
Diploma in prosthodontics (DipProsth) At least 24 months (over 2 calendar years) from DDS degree.
Master of science (MSc) At least 2 years from DDS degree.
Doctor of philosophy (PhD) At least 2 years from MSc degree.
A combined research degree and postgraduate clinical program in several of the clinical subjects is offered.

Education

Bachelor of education (BEd) 1-year teacher training program after acceptable undergraduate degree. Ontario teacher's certificate granted by the Ontario Ministry of Education.
Diploma in technical education. One-year program for qualified tradesmen leading to Ministry certification.
Diploma in child study. Two-year program offered to university graduates at Institute of Child Study.
Additional certificate programs offered in summer and winter evening for qualified elementary and secondary school teachers.

Master of arts/science in teaching MA(T)/MSc(T) in English and mathematics respectively. At least 1 year from BA in field closely related to intended area of specialization.
Master of arts (MA)
Master of education (MEd)
Doctor of education (EdD)
Doctor of philosophy (PhD)
For further details, consult The Ontario Institute for Studies in Education entry.

Engineering

Bachelor of applied science (BASc) 4 years beyond senior matriculation.
Master of applied science (MASc) At least 1 year from BASc or BSc in science or applied mathematics.
Master of engineering (MEng) No general residence requirement.
Doctor of philosophy (PhD) At least 2 years from MSc or MASc.

Forestry

Bachelor of science in forestry (BScF) 4 years beyond senior matriculation.
Diploma in resource management
Master of science in forestry (MScF) At least 1 year from BScF or bachelor's degree in related field.
Doctor of philosophy (PhD) At least 2 years from master's degree. Under special committee.

Industrial relations

Master of industrial relations (MIR) 2 years from undergraduate degree.
Doctor of philosophy (PhD) 2 years from MIR.
Specialized study focusing on the labor sector of the economy. Disciplines involved: Community health, economics, education, history, management studies, social work, sociology.

Law

Bachelor of laws (LLB) 3 years beyond at least 2 years of university studies in Ontario or equivalent (5 years beyond senior matriculation).
Master of laws (LLM) At least 1 year from LLB.
Master of studies in law (MSL) At least 1 year from LLB.
Doctor of juridical science (SJD) At least 1 year from LLM.

Library and information science

Master of library science (MLS) 2 years from bachelor's degree.
Master of information science (MIS) 12 months from bachelor's degree.
Doctor of philosophy (PhD) At least 2 years from MLS.

Medicine

Bachelor of science (occupational therapy) [BSc(OT)] 4-year program beyond the Grade 13/OAC level in department of rehabilitation medicine, faculty of medicine, University of Toronto.
Bachelor of science (physical therapy) [BSc(PT)] 4-year program beyond the Grade 13/OAC in department of rehabilitation medicine, faculty of medicine, University of Toronto.
Bachelor of science (art as applied to medicine) [BSc(AAM)] 3-year program following senior matriculation plus 2 years formal postsecondary education in art.
Doctor of medicine (MD) 4 years beyond second year University of Toronto arts and science or from BA or BSc.
Certificate in public health (CPH) 1 year beyond arts or science degree.
Diploma in industrial health (DIH) 1 year beyond undergraduate degrees.
Diploma in child psychiatry. Two years beyond at least 2 years of postgraduate education.
Diploma in radiation oncology (DRO) 2 years beyond at least 1 year of internship (3 years beyond MD degree).
Diploma in psychiatry (DPsych) Up to 3 years beyond at least 1 year of internship or 3 years including straight internship in psychiatry at a teaching hospital (3 years beyond MD degree).
Diploma in clinical chemistry (DClChem) 2 years beyond PhD or MD with adequate science background.
Master of health science (MHSc) (community health) (speech pathology) At least 1 years from undergraduate degree.
Master of science (MSc) At least 1 year beyond MD degree or beyond 4-year BSc.
Doctor of philosophy (PhD) At least 3 years beyond MD or 2 years beyond MSc.

Museum studies

Master of museum studies (MMSt) 2 years beyond 4-year BA. Consists of 24 consecutive months. A joint program offered by the university and the Royal Ontario Museum.

Music

Bachelor of arts (BA) At least 3 years beyond the Grade 13/OAC level.
Artistic diploma (ArtDipMus) and licentiate diploma (LicDipMus) 3 years beyond completion of a minimum of 30 credits for the Ontario secondary school diploma. Grade 13/Ontario academic courses are not required but may be included. Candidates must pass an audition. Licentiate diploma available only in piano. Theory: RCMT (or equivalent) certificates (grade II rudiments and grade III harmony); or an admission theory placement test.
Diploma in operatic performance. Two years beyond an undergraduate degree or its equivalent and an audition in performance.
Bachelor of music in performance. Four years beyond completion of a minimum of 30 credits for the Ontario secondary school diploma. Grade 13/OAC courses are not required but may be included. Candidates must pass an audition. Theory: RCMT (or equivalent) certificates (grade II rudiments and grade III harmony); or an admission theory placement test.
Bachelor of music (MusBac) 4 years beyond Ontario Grade 13/OAC or equivalent; RCMT grade II rudiments

and grade III harmony or equivalent. Candidates must take audition in performance.
Master of music (MusM) 1 year beyond honors bachelor of music.
Master of arts (MA) At least 1 year beyond 4-year BA specialist program in music or bachelor of music program with major concentration in history and literature.
Doctor of music (MusDoc) 2 years from master of music.
Doctor of philosophy (PhD) At least 2 years beyond master's degree.

Nursing

Bachelor of science in nursing (BScN) 4 years beyond the Grade 13/OAC level.
For graduates of diploma schools of nursing, examinations for advanced standing in nursing courses of the first and second year of the 4-year program are offered.
Master of science in nursing (MScN) At least 2 academic years beyond BScN. Candidate may (with the approval of the school of graduate studies) complete 1 academic year as part-time student. All degree requirements must be satisfactorily completed within 4 calendar years from date of first enrolment in program.

Pharmacy

Bachelor of science in pharmacy (BScPhm) 4 years beyond the Grade 13/OAC level.
Master of science in pharmacy (MScPhm) At least 1 year from BScPhm.
Doctor of philosophy (PhD) Program of studies in a number of areas. Faculty of pharmacy should be consulted for details.

Physical and health education

Bachelor of physical and health education (BPHE) 4 years beyond the Grade 13/OAC level.

Science

Bachelor of science (BSc) 15 courses (3-year degree) or 20 courses (4-year degree) after completion of the Ontario secondary school diploma and 6 Ontario academic courses (or equivalent).
Master of science (MSc)
Doctor of philosophy (PhD) At least 2 years from MSc.

Social work

Master of social work (MSW) At least 2 years beyond bachelor of arts or equivalent degree.
Doctor of philosophy (PhD) At least 2 years beyond MSW.

Planning

Master of science in planning (MScPl) 2 years beyond 4-year bachelor's degree. Program is administered by the department of geography.

Continuing education

Day or evening classes offer undergraduate courses for students proceeding to a degree in the faculty of arts and science at St. George, Erindale and Scarborough campuses. Full programs are offered. Undergraduate courses are also available for diploma nursing graduates proceeding to a degree. Third and fourth year must be taken on a full-time basis. A program of short courses is offered to registered nurses. University credit is not given for these courses. Undergraduate courses are offered on a part-time basis for students proceeding to a degree in the faculty of applied science and engineering (engineering science program is not offered). A degree in physical and health education may be pursued on a part-time day study (no evening or summer classes offered). Full degree completion programs are available part-time for diploma graduates in physical and occupational therapy (winter and summer).

Diploma program in business administration: Applicants must present undergraduate degree with high standing.

Diploma program in translation: Provides instruction for French and English- speaking students who desire formal training as translators. Applicants must hold a BA or its equivalent from a North American university. Proficiency in French and English is required. Candidates for admission are required to pass entrance examination.

Diploma program in gerontology: Applicants must present undergraduate degree with high standing.

Certificate programs: Certificate programs in business, public administration, criminology, personnel and industrial relations, law enforcement and administration and teaching English as a second language. Certificates are awarded upon successful completion of 6 or 7 courses. Admission requirements are the same as for normal university entrance.

Pre-university courses: Pre-university courses are offered regularly throughout the year in chemistry, English, history, mathematics and Canadian studies.

School of continuing studies: Provides opportunities for personal enrichment and professional growth through a variety of university courses, workshops and symposia presented during daytime and evening hours throughout the year. In addition, a large independent study program attracts students from all parts of Canada and from many other countries. The school provides an alternative to formal university degree studies. Admission is each learner's self-assessment of preparedness for participation. Examinations and grades are available only as requested by students.

Admission Requirements

Undergraduate

Ontario: Grade 13 level or equivalent. Each division requires completion of specific subjects. Minimum 60% average required for consideration, but it is likely students will require an average considerably above 60% to be considered for most programs. Applicants must be eligible for the Ontario secondary school diploma (OSSD). Applicants must present credits in at least 6 acceptable Ontario academic courses (OACs) including the following: 1 credit in English, 1 credit in mathematics or a language other than English/anglais, 4 additional

credits. No more than 2 OACs in any 1 subject will be accepted. During the transition from the Ontario secondary school honor graduation diploma (OSSHGD) to the OSSD, the faculty will accept a combination of Grade 13 and OAC credits.

Other provinces: Applicants from British Columbia, Alberta, Saskatchewan, Manitoba, New Brunswick, Prince Edward Island, Nova Scotia, and Newfoundland Grade 12 certificate. Quebec applicants, 12 academic CEGEP courses.

Mature students

Applicants at least 21 years of age without an acceptable Ontario Grade 13 or equivalent who have resided in Ontario for at least 1 year will be considered for admission to arts and science upon completion of 1 pre-university course with high standing at Woodsworth College. Successful completion of this course does not ensure admission; candidates should consult the office of admissions about eligibility before enrolling. Degree courses with scientific content, such as those offered by professional faculties, often have additional requirements. Candidates should consult the office of admissions.

Senior students

Students 65 years of age and over are not required to meet normal admission requirements. Tuition fees are waived for senior students.

Graduate

Normally 4-year University of Toronto bachelor's degree with at least mid-B standing or equivalent from this or another university for admission to a master's program and at least B+ for admission to a doctoral program.

International students

All undergraduate faculties require an Ontario academic course (or equivalent) in English except for the faculties of applied science and engineering, and arts and science which offer applicants the choice of presenting either OAC English I (or equivalent) or a score of 580 on the Test of English as a Foreign Language or 90 on the Michigan English Language Assessment Battery or 6 on the University of Toronto Certificate of Proficiency in English Test.

United States: The faculties of arts and science, forestry, music, and physical and health education normally will consider Grade 12 students who have obtained an average of 550 on 2 CEEB aptitude tests and on 3 CEEB achievement tests.

Other divisions require first year university standing (30 semester hours or 45 quarter hours) from accredited institutions. Excellent students with high school diploma and 2 CEEB advanced placement examinations will be considered.

UK, West Indies, East and West Africa, Hong Kong: GCE, HSC or Hong Kong A-level examinations in 5 appropriate subjects including 2 at A-level, or to be considered for the faculty of arts and science, appropriate subjects with 3 at A-level and 1 at O-level.

India, Pakistan and Bangladesh: Bachelor's degree with high standing.

Japan: Kotogakko/Upper secondary school certificate (academic curriculum).

Korea and Taiwan: First-year accredited university standing in appropriate subjects.

Philippines: Second-year university standing in appropriate subjects.

Europe and Commonwealth: Final-year secondary school graduation (maturity certificate).

Other: Applicants submitting International Baccalaureate and European Baccalaureate will be considered.

Application Deadlines

Dates for receipt of applications for undergraduate programs vary. Applications for arts and science (St. George campus - full-time study), applied science and engineering, architecture, architecture and landscape architecture, music, nursing, pharmacy, physical and health education, rehabilitation medicine, must be submitted by April 1. Arts and science (Erindale and Scarborough campuses - full-time study; all campuses - part-time study) and forestry, June 1. Overseas applicants must apply 6 weeks in advance of these dates. Other undergraduate certificate and diploma courses, information in individual calendars.

The school of graduate studies assigns places on the basis of applications received by April 15. Some departments, however, have earlier deadlines. If places remain open, applications will be considered after April 15. In these cases, the deadlines for receipt of applications from Canada and the USA for admission to commence in September and January are July 1 and November 1 respectively; the deadlines for receipt of applications from all other countries for admission to commence in September and January are June 1 and October 1 respectively. In order to be considered for University of Toronto open fellowship and Connaught Scholarship, applications should be submitted by February 1. For details, consult the appropriate calendar.

The University of Toronto's Erindale campus offers a February admission program. Students must be qualified for admission to the faculty of arts and science. Successful applicants will be eligible to take a maximum of 2 credits in a 13-week session. Course selection is limited. Program dates are timed to provide a smooth transition to summer courses or to allow students to compete for summer employment. With appropriate course selection in the February and summer sessions, qualified students may complete their first year requirements by the following August. Admission requirements are the same as for September programs. Some residence spaces and scholarships will be available. Applicants requiring financial assistance should submit their OSAP application by the previous mid-November. For further information, contact the university's secondary school liaison office, telephone, (416) 978-2771.

Academic Year

Winter session: Mid-September to early May. Summer day session: Early July to mid-August. Summer evening session: Mid-May to mid-August. This is the general pattern but there are variations in different faculties and individual calendars should be consulted.

Grading System

Faculty of arts and science: A, 80-100%; B, 70-79%; C, 60-69%; D, 50-59%; E, 35-49%; F, 0-34%. A candidate requires 50% in a subject to pass. Grading systems used by other faculties and schools vary and individual calendars should be consulted.

Student Life and Services

The students' administrative council is an incorporated body which represents full-time undergraduate students on all 3 campuses. These students annually elect a president, 2 vice-presidents and representatives from all the colleges and professional faculties. Financial support for the projects of the council comes from a compulsory student fee. The council funds Radio Varsity and has a number of permanent commissions which co-ordinate a variety of student services. The students' administrative council also serves to represent the views of full-time undergraduate students on university-wide issues.

The association of part-time undergraduate students is an incorporated body which represents all part-time undergraduates, publishes a newsletter and receives support for its activities through a compulsory fee paid by its members.

The graduate students' union represents the academic and general interests of students registered in the school of graduate studies. Financed through a compulsory fee paid by all graduate students, the GSU supports departmental course unions and provides a number of other services including a gym, food and bar services.

There are 2 incorporated campus-wide newspapers, 1 of which is supported by a compulsory fee paid by all full-time undergraduate students, and most of the divisional student societies mentioned below sponsor publications.

Undergraduate and graduate students are represented on the governing council of the university. There are, in addition, student councils or societies in most of the colleges, faculties and schools as well as a large number of clubs and organizations which focus on a particular activity or interest.

The federated universities and colleges provide accommodation for 828 men and 787 women. There is also a variety of accommodation on the 3 university campuses. Erindale and Scarborough have accommodation for 522 and 383 students, respectively. On the St. George Campus, 7 residences offer accommodation for 475 men and 389 women in addition to 896 co-educational places of which 280 are in the graduate student residence. A married student housing complex of 713 units, built by the Ontario Student Housing Corporation, is located in 2 apartment towers within walking distance of the St. George campus.

For University of Toronto students who want off-campus accommodation, the university housing service maintains lists of available rooms, apartments and houses at each of the 3 campuses.

Other student services include health (medical and psychiatric), legal aid, ombudsman, services to disabled persons (liaison and advice on accommodations), career counselling and placement, an advisory bureau (individual and group counselling), bookstores and athletic facilities. Hart House provides facilities for recreation, reading, sports, debating, music and the arts as well as food services. Fees for the health service, athletics, and Hart House are included in compulsory incidental fees. Services to Canadian and international students are available in the international student centre which also houses offices of CUSO and of the Canadian International Development Agency.

Handicapped students should contact Mrs. E. Barbeau, co-ordinator of services for the disabled to obtain information about university facilities. Telephone: (416) 978-8060.

In 1984 the university appointed a status of women officer who reports and makes recommendations to the president on matters directly of concern to women and broader policy issues which may have a particular impact on or implications for women students, faculty, and staff. Telephone: (416) 978-2757.

Students, faculty and staff of the University of Toronto are given priority at 2 area day-care centres. The Margaret Fletcher Day-Care Centre serves 50 children from 2' to 5 years. Telephone: (416) 978-6725. The campus community co-operative day-care centre has places for 50 children and services infants to 5 year olds.

The St. George campus is well-served by public transportation and the university provides a limited amount of parking. Erindale and Scarborough Colleges are served by public transportation, university shuttle and both provide ample parking. Disabled students are eligible to use the public parallel transit system, wheeltrans and special parking permits issued by both the city and the university.

Research Institutes

Banting and Best Diabetes Centre. Director: C. Hollenberg, MD

Bioethics. Director: F.H. Lowy, MD

Canadian Institute for Theoretical Astrophysics. Director: S.D. Tremaine, BSc, MA, PhD

Carbohydrate Research Centre. Director: J. Carver, BA, PhD

Centre for Accounting Studies. Director: R. Skinner

Centre for Biomaterials. Director: D. Smith, DSc, PhD, FRSChem

Centre for Cardiovascular Research. Director: M.J. Sole, BSc, MD, FRCP(C), FACC

Centre for Comparative Literature. Director: P.W. Nesselroth, BA, MA, PhD

Centre for Computer Integrated Engineering. Director: R.D. Venter, BSc, MEng, PhD

Centre for Computing in the Humanities. Director: I. Lancashire, BA, MA, PhD

Centre for Drug Safety Research. Director: S. Spielberg, MD

Centre for Engineering and Management. Director: A. Szonyi, DiplIng, MASc, PhD

Centre for Hydrogen and Electrochemical Studies. Director: R.D. Venter, BSc, MEng, PhD

Centre for Industrial Relations. Director: M. Gunderson, BA, MA, PhD

Centre for International Studies. Director: L. Waverman, BCom, MA, PhD

Centre for Italian-Canadian Studies. Director: J.A. Molinaro

Centre for Large Scale Computation. Director: W.C. Jackson, BSc, MSc, PhD

Centre for Medieval Studies. Director: J.R. Webster, BA, MA, PhD

Centre for Metal Hydride Studies. Director: D. Manchester, MSc, PhD

Centre for Nuclear Engineering. Director: B. Cox, BA, MA, PhD

Centre for Organizational Effectiveness. Director: D. Ondrack, BCom, PhD, MBA

Centre for Plant Biotechnology. Director: P.A. Horgen, MS, PhD

Centre for Reformation and Renaissance Studies. Director: G.T. Warkentin, BA, MA, PhD

Centre for Religious Studies. Director: N. McMullin, BA, FTB, THM, PhD

Centre for Research in Library and Information Science. Director: J.M. Cherry, BSc, MLS, PhD

Centre for Research in Neurodegenerative Diseases. Director: D. McLachlan, MD

Centre for Russian and East European Studies. Director: R.E. Johnson, BA, PhD

Centre for South Asian Studies. Director: M. Israel, BS, MA, PhD

Centre for Studies of Aging. Director: V.W. Marshall, BA, MA, PhD

Centre for the Study of the Drama. Director: R. Bryden, MA, BA

Centre for Surveying Science. Director: G. Gracie, BASc, PhEng, PhD, PEng

Centre for Technology and Social Development. Director: W.H. Vanderburg, BASc, MASc, PhD

Centre for Urban and Community Studies. Director: R.E. Stren, BA, MA, PhD

Centre of Criminology. Director: J. Beattie, BS, MA, PhD

Centre of Health Promotion. Director: TBA

Computer Systems Research Institute. Director: P.I.P. Boulton, MASc, PhD

David Dunlap Observatory. Director: E.R. Seaquist, BASc, MA, PhD

Health Management Institute. Director: Ms. T. Smith

Hospital Management Research Unit. Director: P. Leatt, BScN, MHSA, PhD

Hungarian Research Institute of Canada. Executive director: B. Kovrig

Innovations Foundation. Executive director: Pauline M. Walsh, MA, SM

Institute for Aerospace Studies. Director: R.C. Tennyson, MASc, PhD

Institute for Environmental Studies. Director: H.A. Regier, BA, MS, PhD

Institute for Land Information Management. Director: V.B. Robinson, BS, MS, PhD

Institute for the History and Philosophy of Science and Technology. Director: M.P. Polly Winsor, AB, PhD

Institute for Policy Analysis. Director: J.E. Pesando, BA, MA, PhD

Institute of Bio-Medical Engineering. Director: H. Kunov, MSc, PhD

Institute of Child Study. Director: R. Stadnick

Institute of Medical Science. Director: A. Angel, MD, MSc

McLuhan Program in Culture and Technology. Directors: D.R. Olson, BEd, MED, PhD and D. de Kerckhove, BA, Dr3rdCy, MA, PhD

Museum Studies Program. Director: Ursula Franklin, OC, PhD, DSc

Playfair Neurosciences Unit. Director: P. Carlen, MD

Program in Neurosciences. Director: T. Petit, MD

Pulp and Paper Centre. Director: D. Reeve, BSc, PhD

University of Toronto, Laurentian University, McMaster University, Queen's University, University of Waterloo Joint Centre for Chemical Process Metallurgy. Acting director: R.A. Bergman, BASc, MASc

University of Toronto/York University Joint Centre for Modern East Asia. Director: D. Lary, PhD

University of Toronto/York Joint Program in Transportation. Director: G.N. Steuart, BScEng, MASc, PhD

Research Chairs

C.H. Best Chair of Medical Research. C.C. Yip

Chair in Estonian Studies.

Chair in Organizational Effectiveness.

Chair in Policy Modelling. Tom Wilson

Chair of Hungarian Studies. George Bisztrai

Chair of Ukrainian Studies. Paul Magocsi

Charles Gould Easton Chair in Immunology. Richard Miller

Claude T. Bissell Chair in Canadian/American Relations.

Colonel R.S. McLaughlin Chair in Surgery. Barnard Langer

D. Nelson Henderson Chair in Obstetrics and Gynecology.

Doctor Harry Shields Memorial Chair in Anesthesia.

Dr. Murray Mendelson Memorial Chair in Anesthesia.

The Gordon C. Leitch Chair in Obstetrics and Gynecology. Walter Hannah

Jean A. Chalmers Chair in Canadian Music. John Beckwith

John R. McArthur Chair in Gynecologic Oncology.

Magna Chair in Business Strategy. George Day

Medical Society Chair.

Patricia C. Ellison Chair in Marketing. Andrew Mitchell

Ray F. Farquharson Visiting Chair in Medicine.

Rosenstadt Chair in Preventive Medicine and Biostatistics. R. Prentice

Samuel Lunenfeld Chair in Clinical Engineering. Alfred M. Dolan

Sir John and Lady Eaton Chair in Medicine. A. Aberman

Visiting Chair of German and European Studies.

Walter W. Write Chair in Ophthalmology. Richard Anderson

Constituent Colleges

Erindale College, University of Toronto, Mississauga Road, Mississauga, Ontario L5L 1C6 Telephone, (416) 828-5331. Established 1964 and classes began 1966. Non-denominational, co-educational. Provides 3 and 4-year BA, BSc, and BCom and offers number of special programs (listed in the special programs section of this entry). Residence accommodation is available. Located 33 km west of the St. George campus. Principal: D.P. Morton, BA, MA, PhD

Innis College, 2 Sussex Avenue, University of Toronto, Toronto, Ontario M5S 1J5 Telephone, (416) 978-7023. Established 1964. Non-denominational, co-educational. College for students of all undergraduate divisions of the university. Undergraduate programs in urban studies, cinema studies and community living are centered at the college. Interdisciplinary studies in a number of other areas are also offered including environmental studies, theatre and independent studies. Conducts a writing laboratory and workshop for creative writing. In addition, through Harold Innis Foundation, the college has access to a farm and conference centre in Oakville. Residential accommodation offered in university and student-operated residences and houses. Principal: John Browne, MA

New College, University of Toronto, Toronto, Ontario M5S 1A1 Telephone, (416) 978-2460. Established 1962. Co-educational and non-denominational. Courses emphasize Canadian literature, women's studies and interdisciplinary studies involving science, technology and humanities. Enrolment drawn from all undergraduate divisions of the university. Offers

residence accommodation, common rooms and dining facilities. Principal: J.E. Chamberlin, BA, PhD

Scarborough College, University of Toronto, 1265 Military Trail, West Hill, Ontario M1C 1A4 Telephone, (416) 287-7550. Established 1964 and classes began 1965. Co-educational and non-denominational. Courses lead to BA and BSc (3 and 4-year). Special programs offered (described in special program section of this entry). Located 33 km to the east of the St. George campus of the university. Residence accommodation available. Principal: R.P. Thompson, MA, PhD

University College, University of Toronto, Toronto, Ontario M5S 1A1 Telephone, (416) 978-3170. Established 1853 as The Provincial College. Co-educational and non-denominational. Full-time students in the faculty of arts and science proceed to BA, BSc and BCom. Wide range of subjects. Program in drama; developing program in Canadian studies. Residence accommodation available in Sir Daniel Wilson Residence and in Whitney Hall. Principal: L. Forguson, MA, PhD

Woodsworth College, 119 St. George Street, Toronto, Ontario M5S 1A9 Telephone, (416) 978-2405. Part-time program leading to a BA established in 1905 at the University of Toronto. In 1920 the department of university extension was organized and offered both credit and non-credit courses. In 1974, the school of continuing studies was formed to conduct non-credit courses and a college was constituted to offer credit courses primarily for part-time students. Named in honor of J.S. Woodsworth (1874-1942). Multi-faculty constituent college of the university located on the main campus. Principal: A.M. Kruger, BA, PhD

Federated Colleges

Emmanuel College of Victoria University, Toronto, Ontario M5S 1K7 Telephone, (416) 585-3036. United Church. Founded 1836. One of 7 seminaries form the Toronto School of Theology. Courses offered in theology leading to a college diploma. Also offers titles of LTh and MDiv, MRE, ThM, ThD and DMin (awarded by the senate of Victoria University). Residence accommodation. Principal: J. Hoffman, BA, PhD, BD, ThD, STM

Knox College, Toronto, Ontario M5S 2E6 Telephone, (416) 978-4500. Presbyterian. Co-educational. Established 1844. Member of the Toronto School of Theology. Federated with the University of Toronto in 1890. Offers courses in theology leading to a diploma and MDiv, ThM, and ThD (awarded by the college). Residence accommodation for 99 men and 7 women. Principal: TBA

Regis College, 15 St. Mary Street, Toronto, Ontario, M4Y 2R5 Telephone, (416) 922-5474. Roman Catholic Jesuit. Founded 1930. Founding member of the Toronto School of Theology. Federated with the University of Toronto in 1979. Offers courses in theology leading to the degrees of MDiv, MTh, ThD, DMin, granted conjointly with the University of Toronto, of STM, and to the ecclesiastical degrees of STB, STL, and STD. President: J.E. Costello, SJ, BA, MA, MDiv, PhD

Wycliffe College, Hoskin Avenue, Toronto, Ontario M5S 1H7 Telephone, (416) 979-2870. Anglican. Established 1877 and federated with the university in 1889. Courses in theology leading to a MDiv as preparation for ordination, the MRel and the title of LTh. Also has authority to confer advanced degrees in theology such as BD, MTh, DTh and DD. Residence accommodation for 80 men. Principal: Rev. Dr. P.R. Mason, BA, LTh, BD, MA, DMin

Federated Universities

University of St. Michael's College, Toronto, Ontario. See separate entry.

University of Trinity College, Toronto, Ontario. See separate entry.

Victoria University, Toronto, Ontario. See separate entry.

Other Institutions Related to the University

The Ontario Institute for Studies in Education, (OISE), Toronto, Ontario. See separate entry.

Pontifical Institute of Mediaeval Studies, 59 Queen's Park Crescent East, Toronto, Ontario M5S 2C4 Telephone, (416) 926-1300. Affiliated with the federated University of St. Michael's College. Conducts research, provides courses, gathers library and archival materials, publishes texts, translations, studies, and a learned journal (Mediaeval Studies) in thought, culture, writings, and institutions of the Middle Ages. Faculty members are members of the graduate school of the University of Toronto. Students may register in the university for MA or PhD and may qualify for MSL and MSD awarded by the institute. They may also carry on independent research. President: M. Dimnik, CSB, MA, MDiv, DPhil

The Toronto School of Theology, 47 Queen's Park Crescent East, Toronto, Ontario M5S 2C3. Consists of 7 federated colleges: Emmanuel (United Church of Canada), Knox (Presbyterian), Regis (Roman Catholic, Jesuit), St. Augustine's Seminary (Roman Catholic, Diocesan), St. Michael's (Roman Catholic, Basilian), Trinity (Anglican), Wycliffe College (Anglican), and 1 associated college [(McM. Div. Coll. (Baptist)]. Degrees in theology MDiv, MRE, MRel, ThM, DMin, ThD are conferred by the federal member colleges conjointly with University of Toronto through the Toronto School of Theology. MA and PhD degrees are conferred by the University of St. Michael's College. Director: Dr. E.J. Reed, BA, STB, GOE, STM, DMin

Royal Conservatory of Music, 273 Bloor Street West, Toronto, Ontario M5S 1W2 Telephone, (416) 978-3797. Established 1886. Housed since 1962 in renovated economics building. Now includes a concert hall with organ, recital hall, classrooms and studios for teaching practice (including organ practice). Branches at 8 other locations serving outlying areas of metropolitan Toronto.

The associateship diploma (ARCT) is the apex of an examination syllabus divided into 11 grades covering material from beginning music study through university equivalent. The syllabus is also the basis for a local-centre examining network operating throughout Canada and parts of USA and is a widely recognized standard-setting system. Acting principal: Gordon Kushner

Trent University*

General Information

Address: Peterborough, Ontario K9J 7B8
Telephone: (705) 748-1011
Telex: 06962824
Fax: (705) 748-1246

President and Vice-chancellor: John O. Stubbs, BA, MSc, DPhil

Inquiries: Direct general correspondence to the registrar and director of admissions, Alan Saxby, BA

Co-ordinator, off-campus liaison: Jeff Macnab, BA, BEd

Full-time faculty (1989-90): 225

History and Governance

Trent University was created and given degree-granting status by an act of the Ontario legislature in 1963. The university was opened and the first undergraduate class was accepted in 1964. The academic planning committee initiated the academic preparation for the university and a campus planning committee planned the university site and architecture. Trent University is a non-denominational, co-educational institution and operates under a board of governors and a senate.

International Mandate

The international liaison officer encourages relationships between the university, the Canadian International Development Agency, the Ontario government, corporations and development work in Third World countries. The university's international projects include professional training programs, academic exchanges, technical assistance and fish enhancement projects. It has a research program in Belize and offers a degree program in comparative development studies as well as the Trent International Program involving 400 students from 53 countries and from across Canada. A Friday world affairs colloquium is open to the public. Contact: Mr. Karanja Njoroge, director, international programs. Telephone: (705) 748-1300.

Buildings and Grounds

Trent University is structured into 5 residential-teaching colleges, each containing seminar rooms, lecture halls, student residence rooms, faculty offices, common rooms and a library. Two of the colleges are located in attractive older buildings in downtown Peterborough (population of 62,000) and the other 3 are located on the Nassau campus, a 1,400-acre wooded, gently rolling site on both sides of the Otonabee River, connected by a pedestrian bridge. The main library, 2 science buildings and athletic facilities are also located on the Nassau campus.

Libraries

The Thomas J. Bata Library holds 422,000 volumes, 225,000 microfilms and over 2,900 periodical subscriptions, 97,000 maps and air photos, and over 171,000 government documents. Approximately 10,000 volumes are added to the collection each year.

To support the university's interest in Canadian studies, the library has concentrated on acquisitions of Canadiana.

Special collections: G.M. Douglas Arctic Collection
Perkins Bull Collection of prints
Racey Collection of newspaper cartoons
Floyd Chalmers Collection of Canadian explorers
Shell Canada fund for Canadian literature
A.J.M. Smith Collection of Canadian poetry and literature
Hunter Collection of rare Canadiana and maps
Bishop Webster Collection in support of studies in religion, philosophy, history and related subjects
Robert Markon Foundation's Art Book Collection
Holm Collection of children's literature
Trevor Lloyd Arctic Collection

Programs and Degrees

Ordinary bachelor's degree requires completion of 15 courses from senior matriculation. Honors bachelor's degree requires completion of 20 courses from senior matriculation. Master's degree normally requires 2 years from honors BA or BSc.

One full credit normally represents 1 full course requiring either 3 lecture hours per week for 2 terms, or 6 lecture hours per week for 1 term. One half credit is usually equivalent to 3 lecture hours per week for 1 term.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts

Bachelor of arts (BA)
Master of arts (MA)
Bachelor of administrative studies (BAS)

Science

Bachelor of science (BSc)
Master of science (MSc)

Continuing education

Julian Blackburn College for continuing education was established in 1975 for part-time students. During winter session, courses leading to BA and BSc are concurrent with regular and evening programs. During summer session, undergraduate arts and science courses are offered for those proceeding to a degree.

A number of non-credit courses in the humanities, social and physical sciences are offered in the evening during the regular academic session.

* Ordinary member, AUCC

Admission Requirements

Undergraduate

Applicants must have OSSHGD or the Ontario secondary school diploma (OSSD), including a minimum of 6 Ontario academic courses (OACs). Applicants to all programs must have an unspecified OAC in English as well as having OACs in at least 4 separate academic disciplines. English OAC 1 is highly recommended, particularly for the humanities and social sciences. For specific program requirements, contact the registrar's office at (705) 748-1215.

Other provinces: Candidates must submit certificates of standing which are equivalent to Ontario Grade 13. Newfoundland: First year at Memorial University. Prince Edward Island: First year at UPEI. Quebec: First year of CEGEP or equivalent. All other provinces: Grade 12.

Mature students

Candidates who do not meet normal admission requirements but have maturity and motivation may be considered for admission.

Senior citizens

Students 60 years of age and over must meet normal admission requirements or those outlined for mature students.

Graduate

Honors bachelor's degree or equivalent with at least an upper second-class (B+) standing required in appropriate area of study. Students whose background is not sufficient for direct entry into a master's program may be admitted to a make-up or qualifying year.

International students

Students whose mother tongue is not English must provide evidence of an adequate knowledge of English. The Test of English as a Foreign Language (TOEFL) may be required (minimum acceptable score is 550).

United Kingdom and Commonwealth: GCE or equivalent in 5 subjects with 2 at A-level.

USA: High school graduation diploma, CEEB scores and a letter of reference from high school teacher or counsellor.

Application Deadlines

Application deadlines are not specified but students should apply between January and June of the year in which admission is sought. Those not holding normal admission requirements and seeking specific consideration must apply, giving details, before June 30 of year in which admission is sought.

Graduate students are admitted to programs 3 times yearly, i.e. to commence studies during spring term (1 May), fall term (1 September) or winter term (1 January). The deadline for receipt of applications for regular fall term admission is March 15. Admission at other times depends on space available in a particular program and the availability of funding.

Academic Year

Autumn term: Mid-September to early December. Winter term: Early January to mid-May. Summer session: Mid-May and early July to mid-August.

Grading System

As of June, 1982, passing grades: A+(100-90), A(89-85), A-(84-80), B+(79-77), B(76-73), B-(72-70), C+(69-67), C(66-63), C-(62-60), D+(59-57), D(56-53), D-(52-50); failing grade: F(49-0). No supplemental examinations. Overall standing is granted in honors subjects only. Course-credit system replaced year promotion in 1970-1971. Aeg. (aegrotat) following a grade indicates that the student was absent with reason from the final examination but that standing was granted on the basis of the year's work.

Student Life and Services

Each college of Trent University is governed by an elected student cabinet with a university-wide student union co-ordinating the activities of the college governments. Fifteen students sit as full members of the university senate and students participate in a broad range of university committees. The early years of the university saw the establishment and growth of literary magazines, a newspaper, a radio service, a community action program, dramatic art, music, debating and film societies, and many other activities.

A new recreation facility opened in 1977. It includes a gymnasium, a 25 m pool, squash courts, an exercise room, a multi-purpose room and locker facilities. The Nassau campus provides heated indoor facilities for many sports, a flood-lit playing field, a 400 m all weather track and tennis courts. The university has its own rowing shells. Intercollegiate and intramural sports include badminton, basketball, cross-country running, curling, fencing, hockey, judo, rowing, rugby, skiing, soccer, softball, squash, tennis, touch football, field hockey, swimming, and volleyball. Equipment is available to students interested in camping and canoeing expeditions in the Kawartha hinterland.

The city colleges, Peter Robinson and Catharine Parr Traill, are co-educational and provide residential accommodation for 280 students. The campus colleges, Champlain, Lady Eaton and Otonabee, are also co-educational and provide accommodation for 800 students.

In addition, there is an off-campus housing office open from June to September with listings of available lodgings in and around the Peterborough area.

The university student health service provides medical and counselling services for full-time students and emergency treatment is available 24 hours a day. The university requires all students to carry medical and hospital insurance and Ontario students must carry Ontario health insurance. Canadian students outside Ontario should obtain coverage from their own province. Students from outside Canada may have to make special arrangements for medical coverage at registration.

International students should make themselves known to the student advisor for assistance. For further information contact the academic skills centre, telephone, (705) 748-1720.

There is a committee on the disabled which handles inquiries and services related to handicapped students. The committee concerns itself with requests about mobility impairments, sensory impairments, and learning disabilities. More information may be obtained from the special needs co-ordinator at student services, 748-1281

The Trent co-operative day-care centre gives priority to the children of students and staff at Trent University. For more detailed information, call (705) 743-2811.

The facilities of the careers room are available to students seeking assistance in finding employment. A principal concern of this office is the career planning and employment of graduating students. On-campus interviews are arranged with business, industry and government representatives. The office also provides information about teaching, professional schools and graduate study.

Research Institutes

Anigawncigig Institute. A non-profit corporation established in 1983 to promote culturally appropriate education for native people, founded and governed by representatives of Trent University, Sir Sandford Fleming College, and native communities and organizations. Executive director: Nan Belfry

Leslie Frost Centre for Canadian Heritage and Development Studies. Director: B.W. Hodgins, BA, MA, PhD

Trent Institute for the Study of Popular Culture. Director: Professor Andrew Wernick, BA, MA

University of Trinity College*

General Information

Address: Toronto, Ontario M5S 1H8
Telephone: (416) 978-2522

Provost and Vice-chancellor: Robert H. Painter, BSc, PhD, CChem, FRSC

Inquiries and high school liaison: Direct general correspondence to the registrar, Bradley K. Adams, telephone: (416) 978-2687

Full-time faculty (1989-90): 91

History and Governance

The University of Trinity College was founded in 1852, by the Honorable and Right Reverend John Strachan, first Bishop of Toronto, to be the Church of England University of Upper Canada. The occasion for its founding was the secularization, in 1841, of King's College which became the original foundation of the provincial University of Toronto. Under the powers obtained by royal charter in 1852, the University of Trinity College conferred, until 1904, degrees in 7 faculties. In 1904 Trinity College, federated with the University of Toronto, placed in abeyance its degree-granting power in the faculty of arts and ceased to give instruction in all faculties except arts and divinity. At present, Trinity College's connection with the Anglican Church of Canada is traditional and historical. It acknowledges no ecclesiastical control and places no religious or denominational tests or other restrictions upon its students or staff.

St. Hilda's College was founded in 1888 to provide a residence for the women students of Trinity College and to provide some separate instruction. Later all instruction became fully co-educational and St. Hilda's continued to be the women's residence and social centre of Trinity College.

Trinity is a co-educational institution. It is governed by a corporation and executive powers are vested in a 26-member executive committee. Academic decisions at Trinity College concerning arts and science are made through the faculty of arts and science of the University of Toronto while academic decisions concerning divinity are made by Trinity College in consultation with the Toronto School of Theology.

Buildings and Grounds

The college is situated on Hoskin Avenue within the University of Toronto campus. The main quadrangle includes a chapel, a library, administrative offices, a dining hall and residence for men. A separate building for classrooms, staff offices and student activities was completed in 1961. St. Hilda's College, on Devonshire Place, provides residence accommodation and additional facilities for women students registered in Trinity College.

Library

The college library in the main quadrangle holds 115,000 volumes. Students also have use of other University of Toronto libraries.

Programs and Degrees

For arts and science programs, 1 full credit normally represents 1 full course requiring either 3 lecture hours per week for 2 terms, or 6 lecture hours per week for 1 term. One half credit is usually equivalent to 3 lecture hours per week for 1 term.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts

Bachelor of arts (BA) As offered by University of Toronto. See separate chapter.

Commerce

Bachelor of commerce (BCom) As offered by University of Toronto. See separate chapter.

Science

Bachelor of science (BSc) As offered by University of Toronto. See separate chapter.

Theology

(Faculty of divinity a member of the Toronto School of Theology) Degrees are awarded conjointly by University of Toronto and by Trinity College.
Licentiate in theology (LTh) 3 years from first degree.
Master of divinity (MDiv) 3 years from first degree.
Master of theology (MTh) At least 1 year from MDiv.
Doctor of theology (ThD) At least 2 years from MDiv.
Doctor of ministry (DMin) At least 2 years from MDiv.

Continuing education

Arts, commerce and science, refer to University of Toronto. There is no extension program in divinity.

Admission Requirements

Arts, commerce, science, same as for University of Toronto. See separate entry. Theology students must normally have obtained first degree.

Costs (1987-1988)

Tuition and incidental fees: University and college per year (including student fees): Arts, science and commerce, $1,707.54; international students, $5,450.04. Divinity: Tuition and incidental fees (including student fees), $1,657.50; international students, $5,657.50.

Residence: Room and board per year, $3,943.

All fees subject to change without notice.

* Ordinary member, AUCC. Federated with University of Toronto. Holds in abeyance its degree-granting powers in faculty of arts during term of federation with University of Toronto.

Academic Year

Mid-September to early May.

Grading System

Arts, science, commerce: As for University of Toronto. Divinity: A, 80%; B+, 76-79%; B, 70-75%; C, 60-69%; D, 50-59%; F, below 50%. Overall C average required with no subject under D in basic degree course.

Student Life and Services

All students are members of the joint college meeting whose executive is the board of stewards. Membership fees are included in compulsory college fees.

Full room and board is available for 210 men and 190 women.

Services provided for students include a buttery, lockers for non-resident students, a dramatic society, a playing field, games rooms, a literary institute, common rooms, debating, publications, athletic associations and a chapel.

The health and psychiatric services of the University of Toronto are open to Trinity students.

Personal counselling is provided by the registrar's office and by senior fellows of the college.

Trinity Western University*

General Information

Address: 7600 Glover Road, Langley,
British Columbia V3A 6H4
Telephone: (604) 888-7511
Fax: (604) 888-5336

President: R. Neil Snider, BA, BEd, MEd, PhD

Inquiries: Direct general correspondence to the registrar, R. Orville Lyttle, BA, MA, MEd

Director of enrolment management: Arvid A. Olson, BEd, MA, EdD

Full-time faculty (1989-90): 52

History and Governance

Trinity Western was founded in 1962 as a 2-year Christian liberal arts institution under the name "Trinity Junior College". In 1972 the name was changed to Trinity Western College. In 1977 the provincial statute under which Trinity Western operates was amended to allow for a 4-year university program. In 1979 it was again amended to allow the university to grant baccalaureate degrees. The first students to receive such degrees graduated in April, 1980. In 1985 the name was changed to Trinity Western University by provincial statute and the university's powers extended to the granting of graduate degrees.

Trinity Western is a co-educational institution committed to historic orthodox Christianity as expressed in the official statement of faith of the Evangelical Free Church. It is governed by a 21-member board of governors with 14 members elected by the Evangelical Free Church and the remaining 7 appointed by the elected members. The president's advisory council consists of the president, the chairman of the board, and members appointed by these 2 and the board to provide a broad range of expertise. The 16-member academic council acts as an academic senate.

Buildings and Grounds

The 100-acre Trinity Western campus is located in the Fraser Valley of British Columbia, 45 minutes' drive from downtown Vancouver and 120 miles from Seattle. The campus includes residences, lecture halls, classrooms and laboratories, administrative offices, a dining commons, faculty offices, a chapel, library and several ancillary enterprises including a print shop, conference centre and bookstore. Most buildings are accessible to the disabled and adequate parking space is available. Students who do not have their own cars can arrange transportation off-campus with other students or with faculty or staff. Transportation to local bus, airline and rail terminals at the beginning and end of the year, and before and after the Christmas break is also provided.

The gymnasium/auditorium together with the playing fields (soccer, rugby, baseball, flag football), tennis courts and a 5 km fitness trail, provides for a wide range of athletic activities. Swimming pools and ice-skating rinks are accessible in nearby facilities.

Libraries

The university library contains more than 83,000 bound volumes, 112,000 items of microfilm, 440 periodical subscriptions and 10,500 audio-visual pieces.

Programs and Degrees

BA and BSc degrees require 4 years from senior matriculation unless otherwise specified, for a minimum total of 122 semester hours. Honors degrees require 134 semester hours. The credit system used is the semester hour, a unit of credit normally representing 1 hour weekly of classwork for a term of approximately 15 weeks.

The BEd degree requires 5 years from senior matriculation for a total of 157 semester hours, offered in conjunction with the professional development program of Simon Fraser University's faculty of education.

The associate of arts diploma requires a minimum of 62 semester hours of university-level studies and completion of at least 1 year (or its equivalent) of full-time resident study, with a minimum of 24 semester hours completed at Trinity Western.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Business
Bachelor of arts in business administration (BA)

Education
Bachelor of arts in elementary education (BA)
Bachelor of education in secondary or elementary education with academic teaching major (BEd)

Fine arts
Bachelor of arts in drama (BA)
Bachelor of arts in fine arts (BA)
Bachelor of arts in music (BA)

Humanities
Bachelor of arts in English (BA)
Bachelor of arts in humanities (BA)
Bachelor of arts in philosophy (BA)

Natural sciences
Bachelor of science in applied mathematics/computer science (BSc)
Bachelor of science in biology (BSc)
Bachelor of science in chemistry (BSc)
Bachelor of science in natural sciences (BSc)

Physical education
Bachelor of arts in physical education (BA)

* Ordinary member, AUCC

Religious studies

Bachelor of arts in biblical studies (BA)
Bachelor of arts in christianity and culture (pre-seminary) (BA)
Bachelor of arts in cross-cultural studies/linguistics (BA)

Social sciences

Bachelor of arts in geography (BA)
Bachelor of arts in history (BA)
Bachelor of arts in psychology (BA)
Bachelor of arts in social sciences (BA)

Special programs

Aviation: Associate of arts (2-year) diploma in aviation.

Human services: The human services program (HSP) is available as a concentration in the social sciences division (30 semester hours).

The Associated Canadian Theological Schools (ACTS) at Trinity Western University: In co-operation with Northwest Baptist Theological Seminary, Canadian Baptist Seminary and Trinity Western Seminary, Trinity Western offers flexible programs of studies for pastors and full-time Christian workers, leading to the degrees of master of divinity (MDiv), master of theological studies (MTS), master of theological studies (counselling) and master of ministry (MMin).

Pre-professional: In addition to major programs, the following pre- professional programs are offered: Pre-dentistry, pre-medicine, pre-engineering, pre-veterinary medicine, and pre-seminary, as well as first-year studies for agriculture, law and pharmacy.

Continuing education

Credit courses: Part-time in fall and spring semesters, May "Interweave" and summer sessions, including programs in education for christian school teachers (Trinity Western is a member of the Association of Christian Schools International [ACSI]).

Non-credit courses: Evenings and weekends. Conference programs: Saturdays and summers. For further information contact: Office of Continuing Education, Trinity Western University, 7600 Glover Road, Langley, British Columbia, V3A 6H4 Telephone: (604) 888-7511

Admission Requirements

Undergraduate

British Columbia: Completion of Grade 12 or equivalent with a university preparatory program and recommended overall average of C+ in Grades 11 and 12. Borderline or exceptional applicants are assessed individually by the admissions committee.

Other provinces: Equivalent requirements are necessary for applicants from other Canadian provinces: Completion of Grade 12 for the Yukon Territories and all provinces except Ontario, Prince Edward Island and Quebec.

Ontario: Completion of the OSSD including a minimum of 6 OACs one of which must be English 1, with a minimum of 60% overall average in OAC courses. Consideration for admission will be given to students possessing an OSSD with 4 OACs (including English 1) where a minimum of 70% overall has been achieved. Special provision is made for the validation of up to 12 semester hours of credit for applicants with 6 OACs and a minimum average of 73% overall. Other conditions may apply.

Prince Edward Island: Successful completion of the first year of studies at the University of Prince Edward Island.

Quebec: Successful completion of the first year of a CEGEP program in academic subjects.

Transfer students

Requirements are equivalent to those for first-year applicants, plus official transcripts from each postsecondary school attended, with a minimum grade average of C- (1.7 grade point average). The maximum number of hours accepted from recognized universities for transfer credit is 75. Students from other institutions (institutes of technology, bible colleges, or other colleges) may receive university credit for work that is acceptable.

Mature students

Applicants 21 years of age or older who have been out of school for at least 1 year and who do not fully meet the standard academic requirements are assessed on an individual basis. They may be required to write SAT, ACT, GED (General Educational Development) or CLEP (College Level Examination Program).

Senior citizens

Senior citizens, 65 or over, are welcome to attend classes (no tuition fees) when space is available.

International students

Documents in languages other than English must be accompanied by certified translations. Applicants whose native tongue is not English are normally required to present a Test of English as a Foreign Language (TOEFL) score of at least 550.

The International Baccalaureate, with at least 2 subjects at the higher level will be considered with a maximum of 18 possible semester hours of advanced credit granted (higher level courses only).

UK and Commonwealth: General certificate of education, with standing in 5 subjects, of which at least 2 are at the A- level (or higher).

USA: Academic graduation supported by college entrance tests (i.e. either SAT or ACT).

Hong Kong: Hong Kong advanced level including two advanced levels. Other conditions may also apply.

India and Pakistan: BA or BSc with division one or high second division standing. Other conditions may also apply.

Note: There is presently no international student tuition fee differential at Trinity Western University.

Application Deadlines

Prospective students should apply 6 to 8 months in advance. Applications will be accepted during the summer months immediately preceding the academic year for which application is being made, provided that all official documentation and references have been received at Trinity Western by the beginning of the semester and that space is available. Transfer students especially are encouraged to apply early to permit adequate time for faculty evaluation of transcripts.

Academic Year

Fall semester: Beginning of September to mid-December. Spring semester: Beginning of January to the end of April.

Grading System

Trinity Western uses a letter-and-grade-point system, as follows: First class, A- to A+, 3.70 to 4.30; second class, B- to B+, 2.70 to 3.30; average, C- to C+, 1.70 to 2.30; below average, D- to D+, 0.70 to 1.30. For all general degrees and the A.A. diploma, a minimum GPA of 1.70 is required. For honors programs a cumulative GPA of 2.70 is required, including 3.00 for all courses in the honors discipline.

Student Life and Activities

Elected by the students, the student council, with the assistance of its advisor, gives direction to extra-curricular activities. It also functions as a liaison between students and other members of the campus community. It sponsors committees open to participation by all students, including: Cultural, publicity, social and sports.

In addition, there are freshman through senior class committees, a commuter committee, and committees for the Pillar (yearbook) and Trinity Western Today (campus newspaper, published fortnightly).

The student centre houses student affairs offices, student housing and ancillary services, career education and placement, the campus pastor, campus doctor and nurse, the cafeteria-style dining commons, a snack bar and bookstore.

Student recreational activities include camping, mountain-climbing and ski trips.

University teams (the TW Spartans) compete in inter-collegiate tournaments. As members of the British Columbia College Athletic Association, Trinity Western teams compete in basketball, hockey, soccer and volleyball.

Intramural sports include tennis, volleyball, badminton, basketball, European handball, football and softball. The 5 km fitness trail that encircles the campus is used for team workouts as well as individual fitness programs.

A student-organized music program co-ordinates with the fine arts division to present public performances by the music and vocal ensembles and the pep band. Vocal ensembles also perform in regular concert tours.

The drama department produces 2 major theatrical presentations each year, open to the public.

Residence facilities can accommodate up to 640 students in separate men's and women's dormitory-style residence halls, plus married and seniors apartments. All single students under 21 years of age are expected to live in residence unless living with their parents. Students under 21 who desire to live off campus for extenuating circumstances may request permission to do so from the student services officer.

Counsel and support are built into the structure of community life. Each student is part of a small support group of about 20 students; residences are divided into units with resident assistants (upperclassmen or women), trained in leadership skills, who are responsible to develop a community atmosphere. RA's receive leadership from full-time resident directors on staff. RD's are responsible through the director of community life to the vice-president for student affairs.

The career education and placement office offers self-assessment workshops, skill testing and counselling in occupational values clarification, interest identification, personality traits, skills and abilities. The counselling centre offers fee-based professional psychological counselling.

Students not covered by a hospital and medical plan in their home countries (including the US) will be required to participate in such a plan, available through the university. Canadian residents are required to provide their own medical coverage.

Affiliated Institution

Northwest Baptist College, 22606-76A Avenue, P.O. Box 790, Langley, British Columbia V3A 8Z8 Telephone: (604) 433-2475

University of Victoria*

General Information

Address: P.O. Box 1700, Victoria,
British Columbia V8W 2Y2
Telephone: (604) 721-7211
Fax: (604) 721-8653

President: David F. Strong, BSc, MSc, PhD, FRSC

Inquiries and high school liaison: Direct inquiries concerning undergraduate admission to Mr. Keith Clamp, director of admission services; except for law, contact the office of the dean of law; for graduate admission, contact the graduate admissions and records office.

Full-time faculty (1989-90): 521

History and Governance

The University of Victoria can trace its history to July 24, 1902, the founding date of Victoria College. After a 60-year period of eminent success as an affiliate of McGill University and the University of British Columbia, Victoria College became the autonomous University of Victoria on July 1, 1963.

Between 1903 and 1915, McGill University courses in arts and science were offered at the first-year and second-year levels. Administered locally by the Victoria School Board, the college was an adjunct to Victoria High School and shared its facilities. The opening in 1915 of the University of British Columbia obliged the college to suspend operations in higher education in Victoria.

When Victoria College was reborn in 1920, in affiliation with the University of British Columbia, it was completely separated from Victoria High School, occupying from 1921 to 1946 the magnificent Dunsmuir mansion known as Craigdarroch Castle. In 1946 the college was forced by post-war enrolment to move to the Lansdowne campus of the Provincial Normal School, an institution that was to merge with Victoria College in 1956 as its faculty of education. Following World War II there was also a change in academic governance, with the creation of a Victoria College Council that was representative of the parent University of British Columbia, the Greater Victoria School Board and the provincial Department of Education. The years 1956 to 1963 witnessed the transition from 2-year college to university. Through the co-operation of the Department of National Defence and the Hudson's Bay Company, a 385-acre campus at Gordon Head was acquired. Academic expansion was rapid after 1956, until in 1961 Victoria College, still in affiliation with the University of British Columbia, awarded its first bachelor's degrees. The university is co-educational and non-denominational. It is governed by a 15-member board of governors and a senate.

International Mandate

The international liaison officer handles international development matters for the university, which provides training courses and is involved in academic exchanges. It has held law seminars in Thailand, collaborates with East China Normal University, participates in a rural development project in Thailand and a Law of the Sea and Ocean project. It also conducts public education programs. In 1987 it established the Centre for Asia Pacific Initiatives. Contact: Dr. J.J. Jackson, associate vice-president, research. Telephone: (604) 721-7973.

Buildings and Grounds

The university is located within the Greater Victoria metropolitan area (population 235,500) on the south-east tip of Vancouver Island. The institution is close to the Pacific naval laboratories, the provincial archives, the Institute of Marine Sciences, the Dominion Astrophysical Observatory and a federal research laboratory for forest products. In the city of Nanaimo, 112 km to the north of Victoria, is the federal biological station. The university also possesses an astrodome and computing centre.

Apart from ancillary teaching and research installations, the university has 10 permanent buildings for academic purposes in addition to an administrative centre, a student union building, a campus services building, 16 residence buildings, a physical training and recreation facility, a stadium, a gymnasium and playing fields.

Libraries

There is a main library containing more than 1 million volumes, a law library, a curriculum library and a map library in the geography department.

Programs and Degrees

Bachelor's degrees require 4 years (60 credits) beyond BC Grade 12 unless otherwise specified. Master's degrees require minimum 15 units or 1 full winter session beyond BA/BSc unless otherwise specified. Doctorates require minimum 2 full winter sessions beyond MA/MSc or 3 full winter sessions beyond BA/BSc unless otherwise specified.

The basic measure of course credit is known as a unit and normally consists of 1 lecture hour a week (or a laboratory period of approximately 2 or 3 hours each week) throughout the winter session. A 3 unit course (3 hours of lectures per week) approximates a 6 semester hour or a 9 quarter hour course.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts

Bachelor of arts (BA)
Master of arts (MA)
Doctor of philosophy (PhD) Thesis required.

* Ordinary member, AUCC

Education
Bachelor of education (BEd) 5 years from BC Grade 12. Prepares elementary and secondary school teachers.
Post-degree professional program. Elementary 2 years following degree in a faculty other than education. Secondary 1 year to certification; optional second year leading to BEd degree.
Bachelor of arts and bachelor of science in human performance (BA) and (BSc)
Bachelor of arts in leisure studies (BA)
Master of arts (MA) Minimum 18 units or 1 full winter session.
Master of education (MEd) Minimum 18 units.
Doctor of philosophy (PhD)

Engineering
Bachelor of engineering (BEng) 5 years from BC Grade 12 (8 academic terms and 6 co-op work terms). Computer engineering, electrical engineering, mechanical engineering only.
Bachelor of science in computer science (BSc) major and honors, 5 years from BC grade 12 if optional co-op program taken.
Master of applied science (MASc)
Master of engineering (MEng)
Master of science (MSc)
Doctor of philosophy (PhD)

Fine arts
Bachelor of arts (BA)
Bachelor of fine arts (BFA)
Bachelor of music (BMus)
Master of arts (MA)
Master of fine arts (MFA)
Master of music (MMus)
Doctor of philosophy (PhD) Thesis required.

Human and social development
Bachelor of arts in child and youth care (BA)
Bachelor of science in nursing (BSN) 2 years following RN.
Bachelor of science in health information science (BSc)
Bachelor of social work (BSW)
Master of public administration (MPA) Minimum 18 units at the graduate level.

Law
Bachelor of laws (LLB) Minimum 3 full winter sessions.

Science
Bachelor of science (BSc)
Master of science (MSc)
Doctor of philosophy (PhD)

Special programs
Co-operative programs: Co-operative programs in several departments, providing work terms in industry, business and government. Interdisciplinary BA in Pacific studies and BA or BSc in environmental studies and diploma in applied linguistics, in fine arts, in humanities, in public sector management, in library science and in cultural conservation.

Continuing education
The purpose of the division of university extension and community relations is to work with all faculties to plan and offer programs locally and throughout the province including credit and non-credit courses and programs offered during late afternoons, evenings and the summer studies period and using traditional as well as non-traditional delivery formats.

Degrees, certificates and diplomas are offered by distance education throughout the province. Professional development programs planned to meet the needs of persons working in the professions are offered in the Greater Victoria area, as well as throughout the province, in co-operation with regional colleges and professional organizations.

Community education programs/courses are offered to residents of the Greater Victoria area as well as communities throughout the province.

Admission Requirements

Undergraduate
British Columbia: Graduation from British Columbia senior secondary school with overall average of at least C+. Specific courses are required. Prospective applicants should write to admission services and request a copy of the admissions handbook.

Other provinces: The following requirements apply to Alberta, Saskatchewan, Manitoba, New Brunswick, Newfoundland, Nova Scotia, Prince Edward Island, the Northwest Territories: Grade 12 graduation with a minimum average equivalent to the British Columbia C+. Ontario: Either Grade 13 graduation with a 65% overall average or successful completion of Grade 12 with a 75% overall average (specific courses are required) or successful completion of OSSD with 65% or at least 6 OACs. Quebec: DEC (diploma) on completion of the 2-year academic course of studies at a CEGEP (college). (In general, this grants placement in second year; applicants may be considered for admission to the first year following completion of 2 semesters at a CEGEP with a 70% average.)

Note: Applicants seeking admission to the faculty of law must satisfactorily complete at least 3 years of an approved program leading to a degree at a recognized university.

Mature students
Persons living in British Columbia who are at least 21 years of age may qualify as mature students. Senate committee deals with applications on individual basis.

Senior citizens
Students 65 years of age and over are expected to meet normal admission requirements of those of mature students.

Individuals wishing to audit courses are not required to meet admission requirements.

Graduate

Academic standing acceptable to the faculty and the department. Generally this will be a baccalaureate degree or equivalent, with B average (70-74%) in last 2 years of study.

International students

Students whose mother tongue is not English must take the Test of English as a Foreign Language (TOEFL) and obtain a score of at least 575 (550 for graduate studies).

Evaluation in terms of normal requirements for Canadian students.

UK, West Indies, East and West Africa: GCE in 5 O-level subjects with 3 at A-level, or 2 advanced A-level plus 2 A-levels or equivalent. An average of C on 3 A-level required. No E grades acceptable.

Hong Kong: Hong Kong University matriculation equivalent to UK GCE.

Other: Applicants presenting International Baccalaureate eligible for admission with advanced standing.

Medical requirement: A physician's report is required of all students entering physical education. Costs must be borne by student. As registration requirement, non-residents of Canada required to produce evidence of adequate sickness and hospital insurance coverage. All students are required to have adequate medical coverage.

Application Deadlines

Applications for admission and supporting documents should be submitted to the university as early as possible. Students applying to professional year in education and social work, February 28; to law, child and youth care, March 31; to health information science and nursing, April 30; to education (except professional year), engineering, May 31; to other undergraduate programs, before July 15; international students, by May 31. Graduate students, before May 31 of year in which admission is sought.

Academic Year

Winter session: Early September to end of April. Summer studies: May to August, including summer session from early July to mid-August.

Grading System

Marks are classified as follows: First class, A+, A, A-; second class, B+, B, B-; pass, C+, C, D; E (conditional supplemental); F (no supplemental).

Student Life and Services

The student government is handled under 2 student organizations, the UVic students' society, which deals with the undergraduate student population, and the graduate student society, which represents students on post-graduate programs. The UVic students' society has been in existence since the inception of the university in 1963, while the graduate student society came into being in its present format in 1975. The student governments deal with matters related to student affairs, i.e. social, recreational and political, including the management of a students' union building and publishing the student newspaper (The Martlet). Students serve on most university committees concerned with academic policy and on the board of governors and senate.

The university centre contains a number of offices connected with the servicing of student needs on the campus such as admissions, records, financial aid, counselling, the director of student and ancillary services and accounting services. In addition, the university centre contains an 1,100 seat auditorium, a large cafeteria and the university museum/gallery.

Athletic facilities are composed of 1 gymnasium, weight rooms (2), swimming pool (L-shaped), apparatus gymnasium, 6 squash courts, a dance studio and a stadium contained within a cluster of 6 athletic fields. Outdoor facilities include tennis courts, a jogging trail through a wooded area and rowing services at a nearby lake.

Arts facilities include the university auditorium, a theatre complex (3 individual theatres), a music recital hall (300 capacity) and an art gallery (Maltwood Gallery).

The UVic students' society sponsors up to 60 campus organizations ranging from political and religious to social and recreational. The student radio station (CFUV) broadcasts on a continuing basis. The university sponsors the university chorus and symphony while theatrical productions are produced by the theatre department.

The university residences are available for 1,200 students who contract for a meal plan provided by the food services department based on an "a la carte" or as-needed basis. In addition to accommodation, the housing office prepares an off-campus registry for students wishing various accommodation in the Victoria area.

The university and student government sponsor day care services with accommodation for 58 children in the 2 to 5 year age group and 30 in the 6 to 12 year old "after school program". Day care services are monitored by the UVic students' society with 75% of the spaces guaranteed for students and the remaining spaces for children of faculty and staff. Subsidies are provided by the province of British Columbia for students showing financial need.

The needs of international students are handled through the offices of the director of student and ancillary services.

Student counselling services are provided as follows: Personal counselling, programs for special interest groups, learning and study skills and career orientation. In addition, academic advising is provided by the faculties.

The university supports a student health services office with a staff of medical professionals including general practitioners and psychiatrists, nurses, physiotherapists and nutrition counsellors. All students have access to this facility but must show proof of medical coverage or they are charged a fee for services. University health services contains a small infirmary for

emergency use only. International students are required to purchase satisfactory health insurance coverage from a private carrier for the first 3 months of their residency in B.C. and are then required to apply for continuing coverage under the medical services plan of the province.

The needs of disabled students are co-ordinated by the associate director of student and ancillary services, Mr. David Clode, telephone, 721-8024.

The university ombudperson is an employee of the UVic students' society with responsibility to review and solve grievances raised by students.

A Canada Employment Centre is maintained on campus with the objective of serving the needs of students requiring part-time or full-time employment. In co-operation with the university, the Campus Employment Centre places students in part-time positions on campus and in the community during the academic year as well as placing students in summer employment programs. Other duties include organizing and scheduling recruitment programs by off-campus agencies, businesses and school districts as well as offering career planning seminars, resume preparation and career fairs.

In co-operation with church organizations in the Greater Victoria community, chaplains services are offered to students, faculty and staff. Denominations currently represented include, Anglican, United, Roman Catholic, Lutheran, Christian Science and Pentecostal. The interfaith chapel is available for celebration and meditation.

Research Centres

Centre for Asia-Pacific Initiatives. Director: R.W. Huenemann, BA, MA, PhD

Centre for Earth and Ocean Research. Director: C.R. Barnes, BSc, PhD, FRSC

Centre for Public Sector Studies. Director: J.C. McDavid, BA, MA, PhD

Graduate Centre for Forest Biology. Director: J.N. Owens, BS, MSc, PhD

Institute for Dispute Resolution. Executive director: A.J. Pirie, BA, LLB, LLM

Institute for Integrated Energy Systems: Director: D.S. Scott, BSc, MSc, PhD

Laboratory for Automation, Communication, Information and Systems Research (LACIR). Director: J.C. Muzio, BSc, PhD

Lexicographical Research Centre. Director: H.J. Warkentyne, BA, MA, PhD

Sport and Fitness Centre. Director: H.A. Wenger, BPE, MPE, PhD

Research Chairs

Chair in Asia-Pacific Legal Relations. D.M. Johnston, MA, LLB, MCL, LLM, JSD

Chair in Economics Relations with China. R.W. Huenemann, BA, MA, PhD

Chair in Economic Relations with Japan. C.A. Mosk, AB, MS, PhD

Victoria University*

General Information

Address: 73 Queen's Park, Toronto, Ontario M5S 1K7
Telephone: (416) 585-4508
Telex: 022-891

President and Vice-chancellor: Eva Kushner, MA, PhD, FRSC

Inquiries: Direct general correspondence to the registrar, Kenneth R. Thompson, AM

Full-time faculty (1989-90): 99

History and Governance

Originally established as the Upper Canada Academy at Cobourg, Ontario in 1836, it received degree-conferring powers from the provincial legislature in 1841 and the name of the institution was changed to Victoria College. When the faculties of medicine, law and theology were added to the original faculty of arts, the institution became Victoria University after 1928, comprised of Victoria College and Emmanuel College (formed by the union of the Victoria University faculty of theology with Union Theological College). In 1892, having entered into federation with the University of Toronto, Victoria moved to Toronto and agreed to hold in abeyance its power to grant degrees except in theology. Victoria College is part of the faculty of arts and science of the University of Toronto and students receive their degrees from the University of Toronto.

In 1928, by an act of the provincial legislature, Victoria University received an amended charter by which it continues in federation with the University of Toronto and in connection with the United Church of Canada.

Victoria University is a provincial, co-educational institution. Victoria College does not impose religious tests or requirements. Emmanuel College gives professional training to candidates for the ministry of the United Church of Canada as well as academic instruction to other students. Both colleges are under the control of a single 49-member board of regents and 1 senate.

Buildings and Grounds

The university is situated on a 15-acre campus in the northeast corner of Queen's Park in Toronto, the provincial capital. There are 3 classroom buildings, a library, student residences, a bookstore, a gymnasium, students' union and cafeteria.

Library

The library contains 225,000 volumes and 752 periodical subscriptions. Special collections include Canadiana, Canadian Literary and Historical MSS, Woolf/Hogarth Press/Bloomsbury, Northrop Frye MSS, Coleridge, Tennyson, Wesleyana, the E.J. Pratt manuscripts, Baxter Prints. Centre of Reformation and Renaissance Studies, 20,000 volumes; Erasmus and Renaissance Humanism are special features.

Programs and Degrees

For BA, BCom, and BSc, programs are as offered at University of Toronto.

One full credit normally represents 1 full course requiring either 3 lecture hours per week for 2 terms, or 6 lecture hours per week for 1 term. One half credit is usually equivalent to 3 lecture hours per week for 1 term.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts
Bachelor of arts (BA)

Commerce
Bachelor of commerce (BCom)

Science
Bachelor of science (BSc)

Theology
Licentiate in theology (LTh) 1 year arts plus 3 years theology.
Master of religious education (MRE) 2 years from BA.
Master of divinity (MDiv) 3 years from BA.
Master of theology (ThM) 1 year plus thesis from MDiv.
Master of divinity/Master of religious education (MDiv/MRE) 4 years from BA.
Doctor of theology (ThD) 2 years plus thesis from MDiv.
Doctor of ministry (DMin) 2 years plus project from MDiv.

Admission Requirements

As for the University of Toronto. Master of divinity at Emmanuel: BA or BA equivalent from recognized university required.

Application Deadlines

Same as for the University of Toronto.

Costs (1989-90)

Victoria: $1,791.04, international students $5,991.04. Full-time fees at Emmanuel: $1,957.30, international students $6,437.30.

Residence: Women $4,785; men $4,787 (includes meals).

All fees subject to change without notice.

Academic Year

Mid-September to early May.

Grading System

Same as for the University of Toronto.

* Ordinary member, AUCC. Federated with the University of Toronto.

Student Life and Services

The 15 members of the Victoria University students administrative council are elected by all the undergraduates of both Victoria and Emmanuel Colleges. The council provides financing for the clubs and organizations at Victoria University, offers social and educational programs, chooses student representatives for various committees and speaks for the students at large on issues of educational and social concern.

Victoria College has a strong athletic program for both men and women and an active musical theatre group. In addition, there are the French, German, debating and photography clubs, a student newspaper and a student literary publication. For politically minded students the students' council offers an opportunity for participation in the running of the college.

Accommodation for 254 men and 320 women is available.

Research Institutes

Centre for Reformation and Renaissance Studies.

University of Toronto's Institute for the History and Philosophy of Science and Technology is located at Victoria University.

University of Waterloo*

General Information

Address: Waterloo, Ontario N2L 3G1
Telephone: (519) 885-1211
Telex: 069-55259
NetNorth: WATDCS
Fax: (519) 888-4521

President and Vice-chancellor: Douglas T. Wright, BASc, MS, PhD, DEng, LLD, DSc, LHD, DU, FCAE, PEng

Inquiries: Direct general correspondence to the registrar, C. Trevor Boyes, BA

Director of secondary school liaison: S.J. Little, BA

Full-time faculty (1989-90): 835

History and Governance

Classes commenced at the University of Waterloo in July 1957 with the introduction of the co-operative engineering program. In March 1959, a private bill was approved by the legislative assembly of the province of Ontario incorporating the university as a degree-granting institution.

The University of Waterloo is a non-denominational, co-educational institution. Under the terms of the University of Waterloo Act of 1972, it is governed by a 36-member board of governors and a 89-member senate.

International Mandate

The international programs office assists the negotiation of international contracts and ensures the financial and administrative responsibilities of all parties in international projects, both in the university and in external agencies. The university participates in technical assistance programs and in academic and student exchanges. It considers that educating foreign graduate students is one of the most effective and efficient mechanisms through which the university can contribute to international development. Contact: Miss V. Leavoy, international program officer, office of research. Telephone: (519) 885-1211 ext. 2288.

Buildings and Grounds

The 1,000-acre campus is located in the city of Waterloo which, with its twin city of Kitchener, has a combined population of approximately 200,000. The campus includes buildings for the faculties of arts, engineering, environmental studies, mathematics, applied health sciences and science, as well as an administrative building, physical activities buildings and facilities, including an ice arena, libraries, 2 theatres, a student campus centre and federation hall, student residences, a health services building, food services facilities, a bookstore, a university club, a graduate club and 4 church colleges.

All buildings on campus are accessible to students in wheelchairs.

Libraries

There are 3 centres for library services on campus. These include the Dana Porter Library, which houses 1.8 million items including books, periodicals, pamphlets, theses, microforms, documents, reports, sound recordings and other materials; the Davis Centre Library which houses over 400,000 items including books, journals, government publications, technical reports, microforms, documents and maps; and the university map and design library, holding more than 120,000 items including maps, air photographs, books, theses and periodicals.

Special services for the handicapped include Kurzwell readers, large print readers, a brailler and 4-track cassette recorder and playback units which are available for the print handicapped. The library can also provide access to talking book material through the W. Ross MacDonald School in Brantford. All libraries are accessible by wheelchair.

The university library's online catalogue (WATCAT) can be searched from any terminal or computer on campus or from any location off campus using a terminal or computer and a modem. The catalogue may be searched by author, title, call number or subject.

The library's on-line circulation control system records the loan of material to library borrowers.

Special collections: Breithawpt Hewetson Clark Collection
Kitchener Waterloo Record Negative Collection
Euclid's Elements and History of Mathematics
B.R. Davis "Southey" Collection
Eric Gill Collection
Crapo Dance Collection
Lady Aberdeen Library of the History of Women
Santayana Collection
John Herbert Papers
Private Presses (Dolmen, Nonesuch, Golden Cockerel)

These special collections are housed in the Doris Lewis rare books room (Dana Porter Library).

Systems of Study

Each faculty has undergraduate degree programs that follow the 'regular'and/or the 'co-operative' system of study. Some programs are offered under 1 system only while others are offered under either. Students choosing the regular system follow the traditional 8-month academic year from September to April. The length of time needed to obtain the degree will be 3 or 4 academic years, depending on the program. Students following the co-operative system of study alternate academic terms on campus with work terms off campus in business, industry or government. Each term is usually 4 months long. The work term is intended to complement academic studies and provides the student

* Ordinary member, AUCC

with an opportunity to gain experience in various career areas. Usually, 4 and two-third calendar years are required to complete the undergraduate co-op degree program. Registration in co-operative programs is limited to Canadians and permanent residents.

Programs and Degrees

Unless otherwise specified, a general bachelor's degree requires 3 academic years of study from secondary school and an honors bachelor's degree (regular system) 4 academic years from secondary school. An honors bachelor's degree (co-operative system) requires 4 and two-third years of study. A master's degree requires a minimum of 1 academic year from an honors bachelor's degree or equivalent except in clearly identified 2-year master's programs. The master of philosophy is a scholarly degree intermediate between the MA and PhD. Candidates must normally have an honors bachelor's degree for admission to the MPhil program. Requirements for the MPhil are satisfied when candidates have completed 12 term-courses and have presented and defended a thesis. The doctorate requires a minimum period of 2 years from a master's degree or 3 years from an honors bachelor's degree unless otherwise specified.

A credit weight of 0.5 is normally assigned to a 4-month (1 term) course. Most courses have credit weights of 0.5, but some have other weights such as 0.25, 0.75, 1.0. However, the systems used to specify the number of courses that a student must take to satisfy minimum degree requirements differ from program to program and from faculty to faculty.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Accounting

Bachelor of arts honors (co-operative only) or bachelor of mathematics honors (co-operative only).
Master of accounting (MAcc)

Applied health sciences

Bachelor of science in kinesiology, health studies (BSc) honors program available in regular or co-operative system.
Bachelor of arts in recreation and leisure studies (BA) honors program available in regular or co-operative system.
Bachelor of arts in dance (BA) general or honors program in regular system.
Diploma and minor in gerontology.
Master of arts in gerontology (MA)
Master of arts in recreation and leisure studies (MA)
Master of science in kinesiology and health studies (MSc)
Doctor of philosophy (PhD)

Architecture

Bachelor of environmental studies (BES) Pre-professional architecture. Three and one-third years in length. Co-operative program only.
Bachelor of architecture (BArch) Professional architecture. Two and two-thirds years following completion of the BES. Co-operative program only.

Arts

Bachelor of arts (BA) general and honors. Regular (general or honors) and co-operative (honors only) systems of study.
Master of arts (MA) full-time and part-time study.
Master of philosophy (MPhil)
Master of applied science (MASc)
Doctor of philosophy (PhD)

Engineering

Bachelor of applied science (BASc) honors program, co-operative system only.
Combined bachelor's - master's program
Master of applied science (MASc)
Doctor of philosophy (PhD)

Environmental studies

Bachelor of environmental studies (BES) Duration of program and system of study depend upon chosen area of specialization. Honors program available in geography, urban and regional planning and environment and resource studies. Honors program available in regular or co-operative system. Co-op system is 4 and two-third years except for urban and regional planning which is 4 and one-third years. General program in regular system in geography.
Master of arts (MA)
Master of applied environmental studies (MAES)
Doctor of philosophy (PhD)

Mathematics

Bachelor of mathematics (BMath) general and honors program. Honors programs only are available on the co-op system.
Master of mathematics (MMath)
Master of philosophy (MPhil)
Doctor of philosophy (PhD)

Optometry

Doctor of optometry (OD) honors professional program. The minimum admission requirement is successful completion of at least 1 year of university-level science.
Diploma in optometric residency. Graduate program. Two years of full-time study.
Master of science (MSc)
Doctor of philosophy (PhD)

Science

Bachelor of science (BSc) general, honors and honors co-operative programs. Both regular and co-operative programs are available in biology, biochemistry, chemistry, earth sciences and physics. Most co-op programs now have a teaching option available. Regular programs are also available in psychology, science and business, liberal science, and non-major science.
Master of science (MSc)
Doctor of philosophy (PhD)

Independent studies

Students have the opportunity to create, structure and pursue their own studies using the resources of the university and the community. Studies may include any combination of independent research, course work, seminars, tutorials, special projects and field work. The degree is awarded after a minimum of 3 academic years on the basis of the recommendation of supervisors (including 2 university faculty) appointed by the academic board for independent studies to evaluate the student's program during a concluding 2-term thesis period. Applicants are expected to show strong aptitude for self-direction and the ability to flourish in an unstructured academic setting.

Interdisciplinary programs

Students in many general or honors programs may select a specified group of courses from a number of disciplines to form an interdisciplinary option or minor which will be designated on the diploma. Interdisciplinary options or minors are composed of courses selected from different disciplines which have a common focus on a particular theme or area of study. The interdisciplinary options now available are: Canadian studies; gerontology; international studies; Latin American studies; legal studies; liberal science; management studies; Middle East studies; peace and conflict studies; personnel and administrative studies; society, technology and values; Speech communication; studies in the French language; studies in personality and religion; studies in sexuality, marriage and the family; and women's studies.

Continuing education

The university makes a special effort to encourage students of whatever age to work toward a degree or to take university credit courses for any purpose they may choose. No academic distinction is made between part-time and full-time students; grading practices and promotion policies are the same. Further, an admission policy for mature students (those who have been away from formal education for not less than 2 years and who do not meet the regular admission requirements) applies equally to both full-time and part-time students. The great majority of mature students are in part-time studies. Tuition is assessed on a fee per course basis.

On campus: Part-time students often enrol in classes scheduled in the evening or in late afternoon. However, if it is more convenient, part-time students are welcome to enrol in daytime classes as well. Students may earn most degrees (the engineering degree is one exception) entirely through part-time studies or by a combination of part-time and full-time attendance. They may pursue their studies in the fall, winter, or spring terms or during the summer sessions.

Off campus: A small number of credit courses a year are offered at off-campus centres in Kitchener, Waterloo and Cambridge. Most of these courses meet 1 evening a week for 3 hours in the fall, winter or spring terms. Students earning credit in these courses may, if they wish, apply them toward a degree with credits earned on campus or through correspondence.

Inquiries concerning part-time studies, off-campus courses, diploma programs and continuing education opportunities should be directed to part-time studies, telephone, (519) 888-4002.

Correspondence courses: The university operates 1 of the largest university-level correspondence programs in Canada. More than 300 university credit courses are offered during the fall, winter and spring terms. Students must apply to the program at least 16 weeks before the start of any of these terms. In working toward their degree, students may combine on campus and off campus courses with correspondence courses. Fees for correspondence courses are the same as for courses offered on and off campus except that a deposit is required on the audio tapes used for lectures and on other special materials that may be required.

Complete details about correspondence courses and application forms are provided in the correspondence program calendar. For further information contact the correspondence office, telephone, (519) 888-4050.

Non-credit courses: Each term a number of non-credit courses and programs are offered in response to particular needs of the community. Recent examples include a series of courses on microcomputers and communication, professional development courses in kinesiology and a summer enrichment program in conjunction with a local school board. The university also works with a number of professional organizations in developing courses and programs for their members. Inquiries can be directed to continuing education, telephone, (519) 888-4002.

Admission Requirements

Undergraduate admission

Ontario: Completion of the Ontario secondary school diploma (OSSD) with a minimum of 6 Ontario academic course credits. Minimum average of 60% is required for consideration but higher averages may be required for admission to limited enrolment programs.

Other provinces: Equivalent requirements are necessary for applicants from other Canadian provinces. Applicants holding Grade 12 certificates from British Columbia, Alberta, Saskatchewan, Manitoba, New Brunswick, Prince Edward Island and Nova Scotia will be considered for admission. Applicants from Newfoundland must have completed year 1 at Memorial University. Quebec applicants require first year CEGEP or equivalent.

Mature students

Individuals who can offer clear evidence of their ability to undertake and manage university studies and who have been away from formal education for some time, in no case less than 2 years, may be considered for admission as a mature student.

Although the University of Waterloo does not automatically offer admission to mature applicants, the faculty admissions committees carefully consider previous academic records, resumes and other biographical material before determining admissibility.

Senior students

Students over 65 years of age are expected to meet normal admission requirements or those outlined for mature students. All students 65 years and over who register for degree credit courses will receive a bursary equivalent to the cost of tuition. Students will be responsible for all other fees connected with their course or registration.

Graduate Students

Honors degree or equivalent. A full B standing or equivalent in undergraduate studies is required. A grade of B- will not normally meet this requirement.

International students

Documents in languages other than English must be accompanied by certified translations. Applicants whose native tongue is not English may be required to take the Test of English as a Foreign Language (TOEFL). A test score of 600 is normally required for undergraduate applicants. TOEFL scores required for graduate applicants vary from faculty to faculty and range from 500 to 600. In addition, applicants to co-operative programs must have Canadian citizenship or permanent resident status before applying.

UK, West Indies: Applicants must have 5 GCE subjects with 2 at A-level or equivalent.

USA: High school diploma with exceptionally high standing and advanced placement examinations in pre-requisite subjects or first-year university standing in acceptable subjects from an accredited institution.

Hong Kong: Hong Kong certificate of education (English) and Hong Kong University matriculation (A-level) with passes in at least 5 subjects including 2 at A-level; Hong Kong Chinese University first-year standing with courses appropriate to proposed university program.

India: BA or BASc (1st or 2nd division).

Europe: Maturity or matriculation certificate.

Central and South America: First-year university with at least B- standing.

Francophone countries: Baccalauréat passable.

Other: Applicants submitting the International Baccalaureate with passes in at least 6 subjects, 3 higher level and 3 subsidiary level, with a grade total not less than 28 will be considered for admission.

Application Deadlines

Application for admission should be made as early in the year as possible. Academic transcripts should be forwarded as soon as they are available. Admission cannot be granted until all documents are submitted and requirements are met. International applicants must apply and submit all documents by June 1 for September admission. Those applying after this date cannot be guaranteed consideration. Canadian students wishing to begin in May must apply before March 1; those wishing to begin in July before June 1; in September before July 1; and in January before November 1. Applications and all supporting documentation should be received no later than May 1 for all year 1 limited enrolment programs; for architecture by March 15; and optometry by February 28.

Academic Year

Fall term: September to December. Winter term: January to April. Spring term: May to August. Summer term: July to August.

Grading System

The university has a common grading system for all faculties. Under this system, grades for all courses appear on grade reports and transcripts either as 1 of 15 letter grades from A+ through F- or as numeric marks on a 100-point scale. Each faculty chooses one or the other; all departments within the faculty use the system chosen.

Student Life and Services

All undergraduate students are members of the federation of students and have the opportunity to participate in activities provided by the federation and its agencies. The objectives of the federation are to advance the interests and welfare of the students of the university, to represent students, to promote and maintain responsible student government, to encourage and co-ordinate student participation in athletics, cultural and social activities, and to maintain communication between the student body and the elected authorities of the university. An office of ombudperson was created by the federation of students to deal with inquiries, complaints or grievances primarily from members of the federation. Among other services of the federation of students are the sexuality resource centre, landlord and tenant information office, and women's centre and many social, ethnic and political associations are accredited by the federation as well. Some of the activities offered by the federation are orientation, Canada Day activities, Homecoming, Summerfest, Winterfest as well as movies, pubs, and musical and dramatic productions throughout the year. Day care is provided on campus. More information is available in the fed office located in CC235.

All graduate students are members of the graduate student association, an autonomous organization. Membership is compulsory for full-time students until such time as a start-up loan from the university has been paid. For part-time students this fee is non-compulsory and not a requirement for registration.

The athletic department operates a full program of interuniversity athletic activities. Both the women's and the men's teams compete in association with other Ontario universities to determine provincial and national champions. Over 35 programs are included in UW's interuniversity athletic competition. The athletic department also operates a very complete campus recreation program. This program is geared to the levels of the participants and offers over 100 various activities. All athletic programs are conducted in very modern, efficient facilities: Physical activities building, golf course, numerous outdoor fields, Seagram Stadium and the Columbia Icefield Arena.

There are a number of student owned/operated organizations: Imprint is the newspaper of, by, and for the students; WPIRG (Waterloo public interest research group) is a student-funded environmental and social

research group; and Radio Waterloo is the radio station owned and operated by the students.

Residence accommodation for men and women is provided on campus by the 4 church colleges associated with the university, the 2 non-denominational university residence villages, a town house complex and the Minota Hagey Residence for graduate women. Residence accommodation for married students is also available in 1 or 2-bedroom apartments. There is also the Waterloo co-operative residence which is student-owned and operates independently of the university.

The university housing office maintains lists of room and board, apartments, houses and shared accommodation available to students.

The health and safety department is the medical clinic, centrally located on campus. It provides comprehensive care to all students and emergency care to anyone on campus. Physicians, nurses and counsellors are on staff at the clinic which is open Monday to Friday from 8:30 a.m. to 5:00 p.m. Also provided is a 24-hour physician-on-call service. Physicians' fees at health services as well as laboratory work, x-rays, and most referrals are paid for by the Ontario Health Insurance Plan.

The university provides a number of services for persons with disabilities. All buildings on the campus have at least 1 wheelchair accessible entrance and maps of wheelchair accessible routes around the campus are available. Most buildings have wheelchair accessible washrooms and telephones. The university residences provide accessible housing and students who have disabilities are given priority in acceptance into residence. Medical parking decals are provided by the security department for those who require accessible parking. A number of technical aids are available for use on campus. The university has services for disabled persons, telephone, (519) 888-4635 or TTY/TDD users can call 888-4044 to assist disabled students to access campus services and facilities and to provide new items if deficiencies are detected.

Counselling services has professionally trained counsellors who help students with educational and career decisions as well as personal and social concerns. Students may wish a private interview, which is confidential, or take part in a group program. Among the groups offered are: Relaxation training, assertion training, exam anxiety management, career planning, interview training, reading and study skills. The counselling services office is located in Needles Hall, room 2080, extension 2655.

The international student office provides information and assistance to international students in the areas of immigration laws, university and community services and personal problems. Some of the special programs for international students are fall orientation, temporary housing, English conversation classes, emergency loans (for undergraduates), host families, English tutors and US visitor visas. International students are welcome to drop in at any time. Private appointments, which are confidential, are also available. The office is located within counselling services in Needles Hall, room 2080, extension 2814.

The department of co-operative education and career services is responsible for the work-term aspect of all co-operative programs and for assisting all students at the university in career planning and obtaining employment upon graduation. The staff includes professional personnel who have extensive business and industrial experience. The management of the co-operative education system at the University of Waterloo is the responsibility of the department. Management functions include obtaining jobs for the students, arranging on-campus recruiting interviews, providing professional career guidance for the students on campus and at the job site, and co-operating with participating employers to help satisfy their employment needs.

Research Institutes

Canadian Centre for Habilitation Education and Research. Director: B. Sivak, BPT, MSc, PhD

Centre for Accounting Research and Education. Director: Gordon Richardson, BA, MBA, PhD

Centre for Applied Health Research. Director: Michael Sharratt, BA, MA, PhD

Centre for Contact Lens Research. Director: D. Fonn, DipOptom, MOptom, FAAO

Centre for Cultural Management. Director: William Poole, BA, MSc, MBA

Centre for Information Theory. Director: J.D. Aczel, BA, MA, PhD, Habil DSc, FRSC

Centre for Molecular Beams and Laser Chemistry. Director: Jim Sloan, BSc, PhD

Centre for New Oxford English Dictionary. Director: Linda Jones, BA, MA, PhD

Centre for Occupational Health and Safety. Director: Don Couch, BS, ME, CIH, ROH

Centre for Professional Writing. Director: Neil Randall, BA, MA, PhD

Centre for Society, Technology and Values. Director: George Atkinson, MA, PhD, CChem, FRSC, FCIC

Guelph/Waterloo Biotechnology. Executive manager: Brian Cox (University of Guelph)
- Animal Biotechnology Centre. Director: B.N. Wilkie (University of Guelph)
- Industrial Biotechnology Centre. Director: M. Moo-Young (University of Waterloo), BSc, MASc, PhD, PEng
- Microbial Biotechnology Centre. Director: Owen Ward (University of Waterloo), BSc, PhD
- Plant Biotechnology Centre. Director: Peter Pauls (University of Guelph)

Heritage Resources Centre. Director: Gordon Nelson, BA, MA, PhD

Institute for Computer Research (ICR). Directors: Kellogg Booth, BS, MA, PhD and Vic Diciccio, BASc, MASc

Institute for Groundwater Research. Director: John Cherry, BE, MS, PhD, PEng, FRSC

Institute for Improvement in Quality and Productivity. Director: R.J. MacKay, BSc, MSc, PhD

Institute for Insurance and Pension Research. Director: H. Panjer, BA, MA, PhD, FSA, FCIA

Institute for Polymer Research. Directors: K. O'Driscoll, BChE, MA, PhD and Alf Rudin, BSc, PhD

Institute for Risk Research. Director: John Shortreed, BEngSc, MSc, PhD, PENg

Natural Products Research Institute. Director: Victor Snieckus, BSc, MS, PhD

Porous Media Research Group. Director: Francis Dullien, DiplIng, MASc, PhD, PEng

Quaternary Sciences Institute. Director: B.E. Warner, BES, MSc, PhD

Solar Thermal Engineering Centre. Director: Terrance Hollands, BASc, PhD, PEng

Tourism and Education Research Centre. Director: S. Smith, BA, MA, PhD

Waterloo Arts Research Group. Director: David John, BA, MA, PhD

The Waterloo Centre for Computer Integrated Manufacturing. Director: David Dilts, BS, MBA, PhD

Waterloo Centre for Process Development. Executive director: E.B. Cross, BASc

Waterloo/Laurier Centre for Soviet Studies. Director: J. Jacoorsky, BSc, MA

Waterloo Nuclear Magnetic Resonance Centre. Directors: Mik Pintar, BSc, MSc, PhD and Leonard Reeves, BSc, PhD, DSc, FRSC, FCIC

Waterloo Research Institute. Director research services and development: A. Headlam, MBA, FCA

Research Chairs

Allelix Inc./NSERC Industrial Research Chair in Microbial Biotechnology. O. Ward, BSc, PhD

Bell Northern Research/NSERC Industrial Research Chair in VLSI. M.I.Y. Elmasry, BSc, MASc, PhD, PEng

Canadian Pacific Rail/NSERC Industrial Research Chair in Optimization and Computer Applications. W.R. Pulleyblank, BA, MSc, PhD

General Motors of Canada Ltd./NSERC Industrial Research Chair in Quality and Productivity. C.F.J. Wu, BSc, PhD

Affiliated Colleges

Renison College, Waterloo, Ontario N2L 3G4 Telephone, (519) 884-4400. Founded in 1959 and affiliated with the University of Waterloo since 1960. Offers BA programs in general arts and social development studies and certificates of study in social work. Courses available in East Asian culture, Chinese, Japanese, English, fine arts, interdisciplinary social science, psychology, religious studies, social work and sociology. Residence accommodation available for 91 women and 74 men. Anglican. Principal: I.L. Campbell, BA, MSc(Econ)

St. Paul's United College, Waterloo, Ontario N2L 3G5 Telephone, (519) 885-1460. Residential and teaching college affiliated with University of Waterloo. Sponsored by the United Church. Offers 3 academic programs in co-operation with the university: Canadian studies, religious studies and studies in personality and religion. Residence accommodation provided for a total of 148 men and women. Principal: William Klassen, BA, BD, PhD

Conrad Grebel College, Waterloo, Ontario N2L 3G6 Telephone, (519) 885-0220. Mennonite church-supported college affiliated with the university since 1961. Offers courses in history, interdisciplinary arts, philosophy, religious studies and sociology. Programs are available in music and in peace and conflict studies. Residence accommodation for 113 men and women. President: R.J. Sawatsky, BChEd, BA, MA, PhD

Federated Institution

The University of St. Jerome's College, Waterloo, Ontario. See separate chapter.

The University of Western Ontario*

General Information

Address: London, Ontario N6A 3K7
Telephone: (519) 679-2111
Telex: 064-7134
Fax: (519) 661-3292

President and Vice-chancellor: K. George Pedersen, BA, MA, PhD

Inquiries: Direct general correspondence to the assistant vice-president (student affairs) and registrar, Gordon J. Smiley, BA(Hon)

Director, liaison services: Janice M.M. Johnson, BA, MA

Full-time faculty (1989-90): 1,456

History and Governance

The Western University of London, Ontario received its charter from the legislature of the province of Ontario in 1878. Teaching began in 1881 and the first classes graduated in arts and medicine in 1883. In 1923 the name of the university was changed to The University of Western Ontario by an act of the provincial legislature. Huron College, Brescia College and King's College are arts colleges affiliated with the university, each with its own campus close to the main campus.

The university is co-educational and non-denominational. Present authority is given by the province of Ontario's UWO Act of 1878, as amended in 1974, which provides for a board of governors and a senate. Further amendments were made to the act in 1982.

International Mandate

The office of international education reviews and administers co-operative research agreements in international development and aspects of international exchange programs, and serves as the university's liaison with external agencies interested in international activities at Western. Projects around the world have included management education programs, socio-economic studies of development projects, and faculty/student exchanges. Faculty members conduct considerable research into Third World development, and the university offers undergraduate and graduate training to foreign students. Contact: Dr. Bill McClelland, acting director, international education. Telephone: (519) 661-2053.

Buildings and Grounds

The university is situated on a 162-hectare campus along the Thames River in North London. The population of the city of London is 276,000. There are more than 65 buildings on campus including a health sciences centre, observatories, a wind tunnel and a bio-engineering building.

The health sciences centre has 9.9 hectares of floor space devoted to study and research in the health sciences. An observatory with a 1.2 m reflector telescope is located some 25 km north of the campus. The university has other holdings totalling 250 hectares of land with buildings away from the main campus. All academic units incorporate extensive and modern research laboratories and equipment.

Libraries

The D.B. Weldon Library, opened in 1972, is the general library for the university. In addition, 6 other libraries are included in the university system: Business, education, engineering, law, music and sciences. A professional collection of material is maintained by the school of library and information science. Huron, Brescia and King's College each provide good undergraduate libraries whose collections complement the holdings of the other libraries.

The collections of the university total over 4.5 million items including 1,872,247 volumes, 2,080,423 micromaterials and 599,311 other items selected to support Western's programs. The university receives more than 18,860 current serials titles in all subjects and in many languages.

Special collections - Canadiana: Literature, pre-1867 to present; Voyages and Travels; Black Studies; Canadian History. Studies: Canadian History.

Special collections - other: John Milton and Miltonia (G. William Stuart Collection); Richard Maurice Bucke Collection; South Western Ontario Regional History and Documents (in Regional Collections Rm.); The Beatrice Hitchens Memorial Collection of aviation history; Opera 1597-1800; Mahler Letters, etc., (The Gustav Mahler/Alfred Rose Room of opera and related material); Canadian, American and British Government Publications; Canadian Newspapers on Microfilm; Canadian Quaker Archives, 1789-1950; Edwardian writers John Galt Collection; The Annabelle McKillop Beatrix Potter Collection.

Notable collections - subject areas: Art history (including exhibition catalogues); British history (Tudor, Stuart, Victorian); classical languages and literatures; economics and business; education; English literature; French revolution and enlightenment; law; history of science and medicine; music, Ontario history; philosophy.

Programs and Degrees

Three-year degrees require 3 years of study from senior matriculation, and honors bachelor's degrees require 4 years of study from senior matriculation unless otherwise specified. Master's degrees require minimum 1 year beyond honors bachelor's degrees (or equivalent)

* Ordinary member, AUCC

and doctorates at least 2 years from master's degrees unless otherwise specified.

One full credit normally represents 1 full course requiring either 3 lecture hours per week for 2 terms, or 6 lecture hours per week for 1 term. One half credit is usually equivalent to 3 lecture hours per week for 1 term. Extra partial credits may occasionally be awarded for labs or particularly demanding courses.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts

Certificat de français pratique. Five full courses.
Diploma in honors standing. One year, minimum of 5 full courses.
Bachelor of arts (BA) 3-year and honors.
Bachelor of fine arts (BFA) honors.
Master of arts (MA)
Doctor of philosophy (PhD)

Business administration

Bachelor of arts (BA) honors program. Two years beyond 2 years arts and science after senior matriculation.
Master of business administration (MBA) 2 years from bachelor's degree in any field or 1 year from honors bachelor's degree in business administration or commerce with B standing or better in final year.
Doctor of philosophy (PhD)

Dentistry

Doctor of dental surgery (DDS) 4 years beyond 2 years arts and science after senior matriculation.
Master of clinical dentistry (orthodontics) (MClD) 2 years from DDS.
Master of science (pathology with training in oral pathology) (MSc) 3 years from DDS.

Education

Diploma in education (technological studies)
Bachelor of education (BEd) 1 year beyond an acceptable bachelor's degree for pre-service programs in primary-junior, junior-intermediate or intermediate- senior divisions of the school system.
Master of arts in teaching (MAT) 1 calendar year full-time or equivalent. Degree requirements must be completed within 3 calendar years following initial registration as a full-time graduate student, or 5 calendar years from initial registration as a part-time graduate student.
Master of education (MEd) Guidance counselling requires 2 academic years: 1 year of required courses followed by 1-year internship. Educational studies (MEd) requires 3 terms or 1 calendar year.

Engineering science

Bachelor of engineering science (BESc) 4 years beyond senior matriculation.
Master of engineering science (MESc) At least 1 year beyond BESc or comparable standing.
Master of engineering (MEng) At least 2 terms beyond BESc or comparable standing.
Doctor of philosophy (PhD) At least 2 years from MESc.

Journalism

Certificate in journalism for native people. Three terms of full-time study commencing in September.
Master of arts (MA) 3 full terms beyond honors degree. One calendar year commencing in May.

Law

Bachelor of laws (LLB) 3 years following completion of a degree from a recognized university or completion of 2 full years of study beyond senior matriculation or completion of 3 full years of study beyond junior matriculation.
Diplôme de français juridique. Three-year program offered in conjunction with the LLB program.
Joint program in law and business (LLB/MBA)
Joint program in law and philosophy (LLB/MA)
PhD in philosophy (with specialization in legal philosophy).

Library and information science

Master of library and information science (MLIS) 2 or 3 full terms beyond honors degree. No thesis.
Doctor of philosophy (PhD) At least 2 years from MLIS.

Applied health sciences

Bachelor of science (occupational therapy) [BSc(OT)] 3 years from 1 year science and social science beyond senior matriculation.
Bachelor of science (physical therapy) [BSc(PT)] 3 years from 1 year science and social science beyond senior matriculation.
Master of clinical science in communicative disorders (MClSc) 1 or 2 years from BSc in communicative disorders or equivalent. No thesis.
Master of clinical science in physical therapy (MClSc) 2 years from BSc in physical therapy or equivalent. Thesis.
Master of science in communicative disorders (MSc) 1 or 2 years from BSc in communicative disorders or equivalent. Thesis.
Master of science in occupational therapy (MSc) 1 or 2 years from BSc in occupational therapy or equivalent. Thesis.

Medicine

Doctor of medicine (MD) 4 years following a minimum of 2 years university study with appropriate science options.
Master of clinical science (MClSc) Applicants must hold MD degree or equivalent and have completed 1-year internship.
Master of science (MSc)
Doctor of philosophy (PhD)

Music

Artist diploma in performance. One and 3-year.
Bachelor of arts (BA) 3-year and honors.
Bachelor of musical arts (BMusA) 3 years from senior matriculation.

Bachelor of music (BMus) honors.
Master of arts in musicology (MA)
Master of music (MMus)
Doctor of philosophy (PhD)

Nursing
Bachelor of science in nursing (BScN) 4 years from senior matriculation.
Bachelor of science in nursing (BScN) 3 years for registered nurses with diploma.
Master of science in nursing (MScN) At least 1 year from BScN.

Physical education
Bachelor of arts (BA) 3-year and honors.
Diploma in honors standing. One year, minimum of 5 full courses.
Master of arts (MA)
Doctor of philosophy (PhD)

Science
Bachelor of arts (BA) 3-year and honors.
Bachelor of science (BSc) 3-year and honors.
Bachelor of science (home economics) [BSc(HEc)] 3 years from senior matriculation; also honors program, 4 years from senior matriculation; offered jointly with Brescia College.
Master of arts (MA)
Master of science (MSc)
Doctor of philosophy (PhD)

Social sciences
Diploma in public administration. Minimum of 3 full course equivalents. Length of program varies depending on background of student.
Bachelor of arts (BA) 3-year and honors.
Bachelor of arts (administrative and commercial studies) [BA(Admin/ComSt)] 3-year.
Bachelor of science (BSc) honors in geography, geography and geology, psychology.
Diploma in honors standing.
Master of arts (MA)
Master of public administration (MPA)
Master of science (MSc)
Doctor of philosophy (PhD)

Social work
Bachelor of social work (BSW) 3 years beyond 1 year arts and science after senior matriculation. Program offered by King's College only. See separate chapter.

Theology
Courses offered by King's College and Huron College. See separate chapters.
Master of divinity (MDiv) 3 years from an undergraduate degree. Offered at Huron College.
Master of divinity (MDiv) 3 years from an undergraduate degree. Offered at King's College.

Women's studies
Women's studies is an interdisciplinary program administered by the Centre for Women's Studies and Feminist Research. Sponsored by the faculty of arts and the faculty of social science.
Bachelor of arts (BA) 3 years and honors (combined honors only).

Part-time and continuing education
Diploma in art therapy: 2 years from BA or equivalent.

Certificate programs in applied women's studies, health promotion and education, prevention of early school failure, second language teaching.

Weekday evening and Saturday undergraduate classes in a number of arts, science and social science subjects are offered at 24 off campus sites in London and throughout Western Ontario in the fall/winter extension session and in the 3 summer sessions. Correspondence courses and courses by audio-teleconferencing in a limited number of arts, science and social science subjects are available in the extension session and in 1 summer session. The 3 summer sessions are: Summer evening, 12 weeks May to July; intersession, 6 weeks May to June; and summer day, 6 weeks July to August. Summer correspondence is 15 weeks, May to August. A school in Trois-Pistoles, Quebec, provides degree-credit courses in French in 3 immersion sessions: February to March; May to June; July to August.

The above courses and sessions are also available for non-degree students under special registration. Non-degree courses for adults are offered seasonally in general interest areas, dance, professional development and language training. An English-language summer immersion program is held on campus July to August.

For further information please contact: The Faculty of Part-Time and Continuing Education, Room 23, Stevenson-Lawson Building, the University of Western Ontario, London, Ontario, N6A 3L7, telephone: (519) 661-3031.

Admission Requirements

Undergraduate
Ontario: Ontario secondary school diploma (OSSD) (including 6 OAC courses) with subjects appropriate to faculty to which admission is sought or educational level equivalent to Ontario honor graduation diploma (Grade 13).

Other provinces: Applicants from other Canadian provinces eligible for admission to first year on basis of senior matriculation, if academic records meet in subject matter and standing obtained, the requirements for admission to UWO and to recognized university in home province.

Provided that subjects are acceptable for admission, the following certificates or academic standings or both are considered as senior matriculation: British Columbia, Alberta, Saskatchewan, Manitoba, New Brunswick, Grade 12; Nova Scotia, Grade 12; Prince Edward Island, Grade 12 with high standing or first year at the University of PEI after junior matriculation; Newfoundland, Grade 12 with high standing or first year at Memorial University; Quebec, Grade 12 or first year (12 courses) in a CEGEP pre-university program. CEGEP applicants who are registered in or who have

completed year 2, may be eligible for advanced standing consideration up to maximum of 5 full courses provided that the requirements for admission are met.

CAAT: Applicants who have completed 1 year of general arts and science or a 2-year diploma program at an Ontario college of applied arts and technology may be eligible for admission to year 1 at Western.

Applicants who have completed a 3-year diploma program at an Ontario college of applied arts and technology may be eligible for admission and advanced standing consideration (to a maximum of 5 full courses or the first year of a professional program). Where academic content is equivalent to that of a 3-year diploma or upon consultation with the appropriate faculty, applicants presenting a 2-year diploma may be considered for advanced standing up to a maximum of 5 courses.

Transfer students

Applicants require an overall final average of at least 60% for admission consideration. University-level courses with a mark of at least 60% will be evaluated for advanced standing.

Special students

Special students are those students already in possession of an acceptable university degree who wish to take undergraduate courses for the purposes of upgrading. Courses taken as an undergraduate special student do not lead to a degree.

Mature students

Applicants who do not meet normal admission requirements will be considered for admission as mature applicants when they: Are at least 21 years of age; are Canadian citizens or permanent residents; do not have a formal basis of admission; have not been in full-time attendance at an educational institution within the previous 4 years; and have obtained at least a C (60%) standing in any academic work attempted within the previous 4 years.

Senior citizens

Applicants who are Canadian citizens or permanent residents, residing in Ontario, who are 60 years of age or older or who will reach the age of 60 during the month in which their classes commence, and who are admitted, shall be granted a bursary equivalent to their tuition fees. Proof of age must be submitted.

Graduate

First degree with specified grades in appropriate subjects.

International students

Official transcripts of academic qualifications (listed below) must be submitted for admission consideration. Where documents are not in the English language, official, notarized translations must be submitted.

Applicants for whom English is not a first language are required to write a test of English proficiency and may choose either of the following: Test of English as a Foreign Language (TOEFL) with a minimum acceptable score required of 550; Michigan English Language Assessment battery (MELAB, University of Michigan) for which the minimum acceptable score required is 85, with a score of no less than 80 in any section.

It should be noted that possession of the minimum English language requirement does not guarantee an offer of admission.

The university reserves the right to deny admission to applicants who do not demonstrate satisfactory knowledge of English, by means of 1 of the tests mentioned above, regardless of academic qualifications.

Africa and Asia: Applicants must submit qualifications as outlined under the United Kingdom and the Commonwealth when these educational systems are available. Otherwise, qualifications as stated under Central and South America.

Central and South America: Senior matriculation diploma and acceptable completion of minimum of first year from a recognized university in their country.

Europe: Senior matriculation diploma which will permit entrance to a recognized university in their country.

India and Pakistan: BA or BSc degree with first or second division standing from a recognized Indian university.

Middle East: Senior matriculation diploma and acceptable completion of first year from a recognized university.

United Kingdom and the Commonwealth: Five general certificate of education passes of which 2 must be at the A-level or 4 general certificate of education passes of which 3 must be at the A-level. A-level passes must satisfy the following conditions: Average D or better; satisfy specific program requirements; subjects offered must be different i.e. physics and chemistry. West Indies: Qualifications as outlined under the United Kingdom and Commonwealth when these educational systems are available. Otherwise, 1 year of post GCE O-level studies or 1 year of study at Bermuda College of College of the Bahamas.

Australia and New Zealand: Senior matriculation certificate qualifying for admission to a university in the applicant's country.

USA: Grade 12 with high standing from an accredited high school. Grade 12 subjects must be selected in accordance with first year program requirements. Upgrading in certain subject areas may be required for progression into specific university program after first year. Students in good standing in a university year beyond the Grade 12 level are eligible to apply for admission with advanced standing under current senate transfer regulations.

International Baccalaureate: Applicants from an International Baccalaureate school must have credit, a grade total of 28, and in 6 subjects, of which 3 subjects must be at the higher level, with standing satisfactory to this university to be considered for admission.

Application Deadlines

Applications for all undergraduate full-time programs must be received by July 1 of the year in which admission is sought. Graduate students must follow application deadlines set by departments.

It is advisable to apply well in advance of application deadlines. Specific programs have their own deadlines.

Academic Year

Winter session: Early September to end of April. Summer evening session: Early May to late July. Intersession: Mid-May to late June. Summer session: Early July to mid-August. Faculty of graduate studies: Fall term, September 1 to December 31; winter term, January 1 to May 14; summer term, May 15 to August 31.

Grading System

Dentistry: Honors, 80-100%; pass, 60-79%; fail, 0-59%. MBA program: 4, distinction; 3, high pass; 2, pass; 1, low pass; 0, unsatisfactory. All other programs: A+, 90-100%; A, 80-89%; B, 70-79%; C, 60-69%; D, 50-59%; F, below 50%. In law, medicine and the faculty of graduate studies, a mark below 60% is a failure.

Student Life and Services

The university students' council of the University of Western Ontario was founded in 1947 and incorporated in March of 1965. Prior to this the students were represented by the university students' commission which had been founded in 1930.

Today the USC has 63 councillors elected from the various faculties, affiliates and residences. In addition, there are 15 student senators and 3 student members of the board of governors who are members of the council by virtue of their positions on the above-mentioned bodies. The students' council is funded by an activity fee which is collected on their behalf by the fees office. This money is returned to the students in many ways. The USC provides an impressive list of services for the students. A few of these are: Charlie Brown University, used book store, copy centre, typing service, unigraphics - graphics services, concerts, Western film community, Spoke Tavern, Radio Western (CHRW-FM), speakers program, central box office, The Gazette, student survival guide and phone directory, and the USC event staff.

Some of these services generate revenue which aids the USC in providing yet more services. This year the USC has continued the tutor referral service which matches tutors with students who need extra help.

An ombudsperson is available year-round to help students with any problems that they might have. The ombudsperson is funded by both the USC and the UWO administration and is an impartial, helpful person who can help to channel students in the right direction; tell them whom to see, what to say and where to go about a problem.

The Spoke, concert productions, event staff, poster pollution patrol and distribution network all provide part-time jobs for students. Over 100 volunteers work in the radio station Radio Western and The Gazette and, as well, approximately 100 students work in the community through the volunteer services bureau.

There are over 100 active clubs on campus, encompassing religion, sports, politics, debating and chess.

The university community centre offers a wide variety of facilities for social, cultural and recreational activities. The building includes a restaurant, cafeterias, a tavern, variety store, banking service, travel agency, hair-stylist, a computer demonstration and learning centre, artcraft studio, games room, music listening lounge, swimming pool, gymnasium and squash courts. The counselling and career development department, student health services, campus ministry centre and the university bookstore are also located in the centre. Mandated to be the "living room" of the university and a factor in the education of students, the university community centre organizes a full slate of educational, recreational, social and cultural activities the year round. Policies of the centre are established by a 16-member directorate representative of all sectors of the university community. Nine of the 16 members are students.

Single students are accommodated in 5 residence halls (Delaware, Saugeen- Maitland, Alumni House, Medway and Sydenham) which offer single and double rooms to 2,557 men and women. Accommodation may be in an all-male or all-female residence, or in a residence with co-educational facilities.

Four additional residence halls (Ausable, Lambton, Bayfield and Beaver) accommodate single students in 550, 1 and 2-bedroom unfurnished apartments. All students admitted to this complex must be in either their third, fourth or graduate years. Some second year students are admitted to Lambton Hall.

Married students are accommodated in the Platt's Lane Residential Complex, which is comprised of 2 and 3-bedroom townhouses, and 1 and 2-bedroom apartments situated adjacent to the campus. Four hundred units are available.

Brescia College has accommodation for 174 students, Huron College for 209 men and 140 women, and King's College for 289 men and women. Westminster College, a co-educational residence, accommodates 238 students.

The off-campus housing office provides listings of accommodation available in the London area. It operates on a self-serve basis, requiring a personal visit to the office by interested students or their representatives. For further information on accommodation, contact the residence admissions and off-campus housing office.

A health service clinic is located on campus and students may consult nurses and physicians regarding general medical care. Psychiatrists and a social worker are also on staff to provide individual counselling. Since students who are not covered by the Ontario Health Insurance Plan may be billed for health care costs, they

are urged to inquire into their health insurance status before enrolling at UWO.

The counselling and career development service has a professionally trained staff which provides individual and group counselling to students with a variety of educational, vocational, and personal concerns. It also maintains an extensive career library and resource centre. An academic counselling service is provided during the summer to advise incoming first-year students on their choice of courses. The offices of faculty deans and various departments also offer academic counselling throughout the year. The religious needs of the university community are attended to by chaplains from various denominations.

The placement service offers a year-round assistance to undergraduates and graduating students seeking part-time, summer and permanent employment.

International student advising is available in room 32, University Community Centre, telephone, 679-2111, ext. 5949.

With the increasing diversity of students attending the University of Western Ontario, the university continues to make special efforts to make the campus as accessible as possible. In terms of physical accessibility, most sidewalks have curb cuts, special parking provisions are made for drivers using wheelchairs, most buildings have accessible entrances and elevators and the city ParaTransit system can be used to travel to and from the campus. There are 3 accessible co-ed residences and 2 residence apartments equipped to accommodate physically disabled students.

Students must identify themselves to the co-ordinator for disabled students as having a disability in order to be considered for academic accommodations under the senate policy. Western operates a computer braille facility that gives visually impaired students access to computing facilities and allows them to prepare essays and write exams via braille or large-print terminal. Study rooms are available in the main library for print-handicapped students. Word processing equipment is also available to students with special needs.

Some campus pay phones have been modified for the benefit of hearing-impaired students. There are 2 TDDs on campus for enhanced communication with the hearing-impaired. Additional services may be made available for these students upon request.

Counselling and career development services offers counselling support for students with special needs. This department also houses a resource centre, which deals with most aspects of disabilities. The university has an ombudsperson who acts on behalf of students with special needs and there is a student support group on campus. Contact: Susan M. Weaver, Co-ordinator for Disabled Students, Room 32, UCC, The University of Western Ontario, London, Ontario N6A 3K7, telephone, (519) 661-2147 (voice/TDD).

The campus bookstore stocks approximately 10,000 course titles, over 35,000 allied, reference and general interest titles plus a wide range of general merchandise.

The university is served by 5 regular city bus lines in addition to the Western Way busing system, which operates during the university's peak season (September to April) and services 2 areas in the city which are highly populated by students. Students wishing to park on campus must purchase a parking permit and park in designated lots.

Research Centres

Applied Electrostatics Research Centre. Director: I. Inculet, DipIng, MSc, PEng

Boundary Layer Wind Tunnel Laboratory. Director: A.G. Davenport, BA, MA, MASc, PhD, FRSC, PEng

Centre for American Studies. Director: D. Conkun

Centre for Cognitive Science. Director: Z.W. Pylyshyn, BEng, MSc, PhD

Centre for Decision Sciences and Econometrics. Director: R.P. McAfee, MS, PhD

Centre for Interdisciplinary Studies in Chemical Physics. Director: B. Smith

Centre for International Business Studies. Director: D.G. Simpson, BA, MA, PhD

Centre for Radio Science. Director: P.A. Forsyth, BA, MA, PhD, FRSC

Centre for Social and Humanistic Studies. Director: Frank Manning, BA, MA, PhD

Centre for Studies in Family Medicine. Director: Martin Bass, BSc, MD, DECH, MSc, CCFD

Centre for the Study of Health and Well-Being. Director: W. Avison, BA, MA, PhD

Centre for the Study of International Economic Relations. Director: J. Whalley, BA, MA, MPhil, PhD

Centre for the Study of Theory and Criticism. Director: M. Kreiswirth, BA, MA, PhD

Centre for Women's Studies and Feminist Research. Director: C. Farber

Chemical Reactor Engineering Centre. Director: I. DeLasa, Dipld'Et App, Dr Ing

Geotechnical Research Centre. Director: R.M. Quigley, MASc, PhD, PEng

OISE/UWO Educational Leadership Centre. Director: E.L. Burdenuk, BA, MLS, DipEd

Population Studies Centre. Director: T.K. Burch

Surface Science Western. Director: N.S. McIntyre, BSc, PhD

Research Chairs

Chair in Communicative and Cognitive Disabilities. F.B.W. Harper, MA, PhD

Chair in Mass Media Studies. G. Stuart Adam, BA, MA, PhD

The C.G. Drake Professorship in Neurosurgery. S.J. Peerless, MD, FRCS

Donald F. Hunter Professorship in International Business.

Fallon Memorial Chair in Clinical Preventive Medicine.

Gilbert and Margaret Clarke Professorship in Business Administration.

The Helen and Frances Lawson Research Professorship in Diabetes. David Hill, BSc, DPhil

The Hewlett-Packard Professorship in Technology Management.

Hume Publishing Company Professorship in Entrepreneurial Studies.

Ian McWhinney Chair of Family Medicine Studies. Martin Bass, BSc, MD

The Imperial Life Professorship in Organizational Behavior. Ronald J. Burke, BA, MA, PhD

The Jason A. Hannah Chair for the History of Medical and Related Sciences. P. Potter, BSc, MDCM, MA, PhD

J.B. Smallman Memorial Chair in History. Peter B. Waite, BA, MA, PhD

The John G. Richter Chair in Actuarial Mathematics.

Lawson Chair in Canadian Archeology. W.D. Finlayson, BA, MA, PhD

The Magna International Chair in Business Administration. Donald H. Thain, DBA

Nabisco Brands Ltd. Professorship in Marketing. Adrian B. Ryans, BASc, MBA, PhD

The R.A. Barford Professorship in Marketing Communications. Terry H. Deutscher, BSc, MBA, PhD

Richard and Beryl Ivey Chair in Clinical Neurological Sciences. J.P. Girvin, MD, PhD, FRCS

The Richard Ivey Chair of Medicine. J.W.D. McDonald, MD, PhD, FRCP

The Richard Ivey Chair of Surgery. John Duff, MD, FRCS(c)

Royal Bank Professorship in International Business.

The R.W. Gunton Professorship in Therapeutics.

William G. Davis Chair in International Trade. John Whalley, BA, MD

W.P. Wilder Chair in Finance.

Affiliated Institutions

Brescia College, London, Ontario. See separate chapter.

Huron College, London, Ontario. See separate chapter.

King's College, London, Ontario. See separate chapter.

Wilfrid Laurier University*

General Information

Address: Waterloo, Ontario N2L 3C5
Telephone: (519) 884-1970
Telex: 0695476
Fax: (519) 886-9351

President and Vice-chancellor: John A. Weir, BCom, MBA, PhD

Inquiries: Direct general correspondence to the registrar

High school liaison officer: Drew Ness

Full-time faculty (1989-90): 274

History and Governance

The Evangelical Lutheran Seminary of Canada opened in Waterloo in 1911 and was incorporated under the laws of the province of Ontario in 1913. Facilities for pre-theological education were established in 1914, and for 15 years, courses leading to senior matriculation were offered in the Waterloo College School. In 1923 the school offered a 1-year arts course beyond senior matriculation, and in 1924 this was expanded into the Waterloo College of Arts which offered a 4-year arts course. Emphasis having been shifted to higher education, in 1929 the preparatory courses of the college were abandoned. In 1925 the faculty of arts, under the name of Waterloo College, became affiliated to the University of Western Ontario. Five years later Waterloo College was granted the right to offer courses leading to the BA honors degree. In 1956 associate faculties offering courses in science and engineering were established. These faculties pioneered the co-operative engineering program in Canada and continued its development within Waterloo College until 1959 when the college received a provincial charter and became the University of Waterloo. By mutual agreement, the affiliation of Waterloo College to the University of Western Ontario was terminated when the new charter became effective on July 1, 1960.

In 1959 the Evangelical Lutheran Seminary of Canada revised its charter, changing its corporate title to Waterloo Lutheran University and giving the institution university powers and degree-granting rights. In August 1961 the Mennonite Brethren College of Arts in Winnipeg, Manitoba, affiliated to Waterloo Lutheran and provided the first 2 years of the university's general BA program. This affiliation was terminated in 1971.

For many years Waterloo Lutheran was the last remaining church-supported university in Ontario. As a church-related institution, it was eligible for only the operating grants paid to the other universities in the province and was not eligible for capital grants. It became evident in the late 1960s that the church could no longer afford to operate the university. Through an agreement reached in June 1973 the church relinquished its sponsorship but retained control of Waterloo Lutheran Seminary, the theological division. The name of the university was changed to Wilfrid Laurier and the seminary became federated with the new institution. A new charter effective November 1, 1973, made Wilfrid Laurier University eligible for full operating and capital grants.

The university is governed by a 33-member board of governors and a 61-member academic senate.

International Mandate

The university has student and/or faculty exchange agreements with specific universities in Chile, Germany, Great Britain, France and New Zealand. Wilfrid Laurier also has co-op student work-term exchanges with institutions in France and Northern Ireland. The university's Cold Regions Research centre participates in an IDRC-funded mountain hydrology project in Pakistan. Import/export development is the specialty of the Government of Ontario-funded Laurier Trade Development Centre. The school of business and economics offers courses in international business and participates in the China/Canada program funded by the Canadian International Development Agency. Contact: Dr. Max D. Stewart, department of development economics. Telephone: (519) 884-1970.

Buildings and Grounds

Wilfrid Laurier University is located in the twin cities of Kitchener and Waterloo, a community of 200,000. The campus is modern in design and construction and has developed rapidly since 1961 with 20 building projects completed. The complex of buildings consists of the arts building, central teaching building, the seminary which is shared with the graduate school of social work, the university library, a theatre-auditorium (seating capacity, 1,400), student services centre, dining hall and campus centre. An athletic complex features a 6-lane Olympic-size swimming pool, basketball and squash courts. The Frank C. Peters Professional Building houses the faculty of business and economics and the newest building is the John Aird Building, which houses the faculty of music, the faculty of social work, modern languages, mathematics and an art gallery.

Library

The library's 7 floors house 1,250,000 items including 515,000 volumes, 110,000 government documents, 550,000 microforms and provide space for 850 readers. There is also a collection of slides, phonodiscs, CDROMs and pamphlets. Typing booths and facilities for the physically handicapped are provided.

There are reciprocal borrowing arrangements with 5 other Ontario university libraries. The library is linked with other Ontario, Canadian and foreign university libraries via Envoy, Netnorth and Fax facilities.

* Ordinary member, AUCC

The library participates in various projects of the Ontario Council of University Libraries including the Co-operative Union Serials System (CUSS) and the Inter-university Borrowing Project (IUBP).

The serials, documents, acquisitions and processing programs are automated. In November 1984 an automated circulation system was implemented along with an on-line system in January 1987.

Programs and Degrees

General bachelor's degrees require 3 years from senior matriculation and honors bachelor's degrees 4 years from senior matriculation. Master's degrees require at least 2 years from general bachelor's degree and 1 year from honors bachelor's degree unless otherwise specified. The general degree requires 15 courses. A single honors degree requires a minimum of 20 courses and a combined program requires 22. The master's degree normally requires 4 courses and a thesis. The doctor of social work requires full-time residence for 4 terms.

A course is a unit of study normally taught over 2 terms with 3 lecture hours per week. Science courses require 2 to 4 additional hours in the laboratory.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts

Bachelor of arts (BA) general and honors.
Master of arts (MA)

Business and economics

Diploma in business administration. Six courses. Open to those experienced in business or holding an undergraduate degree.
Diploma in accounting. Nine and one-half courses. Open to those experienced in business or holding an undergraduate degree.
Bachelor of business administration (BBA) honors program (22 courses).
Master of business administration (MBA) Length of course depends on previous experience and academic qualifications. Students evaluated on individual basis. Designed for professional business manager or prospective doctoral student.

Divinity

Diploma in theology. Three years plus 1 year internship. Open to those at least 30 years of age and 1 year university.
Master of divinity (MDiv) 3 years from undergraduate degree and 1 year internship.
Master of theology (MTh) 2 years from MDiv. Eight courses, some of which are clinical.
Master of theological studies (MTS) 3 years from undergraduate degree (12 courses).

Music

Opera diploma. Four full courses from undergraduate degree in music.
Bachelor of music (BMus) honors program.
Bachelor of music therapy (BMusTh) honors program.
Bachelor of arts (BA) general.

Science

Bachelor of science (BSc) general and honors.

Social work

Master of social work (MSW) 2 years from undergraduate degree. Based on combination of on campus and field-practice terms.
Doctor of social work (DSW) 4 terms residency after MSW or equivalent. Based on course of instruction and dissertation.

Combined programs

Combined master's programs in social work and theology as well as arts and theology available.

Special programs

Series of seminars and lectures offered annually by school of business and economics.

Programs which combine university study with practical job experience are available to selected students in honors programs. The organizational structure varies with the program. For more information, contact the director of co-operative education, telephone, (519) 884-1970 ext. 2506.

Continuing education

Fall/winter and spring/summer evening extension courses leading to general BA offered in Waterloo, Brampton, Barrie and various centres in Simcoe and Waterloo counties in 5 academic sessions. Courses available in humanities, social sciences, business administration and music. Courses leading to a diploma in business administration and diploma in accounting also offered. Over 24 different televideo courses at a distance per year offered by Telecollege, incorporating broadcast and cable television and teleconferencing. Independent production house produces new material yearly. For information call toll free 1-800-265-8866, ext. 2447.

Admission Requirements

Undergraduate

Ontario: Grade 13 subjects sufficient to qualify the applicant for an Ontario secondary school honor graduation diploma plus the specific program requirements as outlined in the undergraduate calendar. Although 60% is the minimum acceptable average for admission consideration, a higher average may be required for some programs. Starting in September 1986 applicants may present the new Ontario secondary school diploma (including 6 Ontario academic credits) for admission. Similar subjects and standing will be required as under the former system.

Other provinces: Applicants must have attained standing which is equivalent to Ontario Grade 13. Alberta, British Columbia, Manitoba, New Brunswick, Northwest Territories, Nova Scotia, Prince Edward Island, Saskatchewan and Yukon Territories: Grade 12

(senior matriculation); Newfoundland: First year Memorial University; Quebec: Grade 12 or CEGEP general I.

Transfer students

An applicant who wishes to apply for admission and advanced standing on the basis of studies completed at another college or university must arrange for an official transcript of his/her record to be sent to the registrar by each institution previously attended. The prospective transfer student must have attained as a minimum the equivalent of a C average (GPA of 4.0) at the home institution and must be eligible to re-register at that home institution. Some programs may require a higher average for admission. Transfer credit will be considered by the appropriate faculty admissions committee.

Mature students

A student who does not possess the necessary minimum Grade 13 (or equivalent) requirements for admission to the university may be considered for admission to part-time studies subject to the following conditions: 1) Grade 12 standing and at least 2 years of work experience prior to the first day of classes for the session to which the student applied; or 2) age 21 and at least 2 years of work experience prior to the first day of classes for the session to which the student applied.

Senior citizens

Individuals, 60 years of age or older, may register in full-time or part-time studies to work toward bachelors' degrees or to audit courses. Tuition fees for part-time studies are waived. Normal fees apply for full-time studies.

Graduate

Applicants must have second class or B average in final year of honors program in the same field of study for which they are applying. Students not meeting this requirement may apply for admission as a qualifying student.

International students

UK and Commonwealth: The general certificate of education in 5 or 6 subjects. At least 2 of the subjects must be at the A-level with acceptable standing. Please note English proficiency requirements below.

USA: Applicants who have completed United States Grade 12 with superior academic standing and can present scholastic aptitude test (SAT) scores acceptable to the university will be considered for admission to the first year of a degree program. Otherwise, applicants must present acceptable final standing in US Grade 12 and 24 semester hours at an accredited college or university in courses from the humanities, social sciences and natural sciences.

Other: An applicant possessing standing required for admission into the first year of a degree program at a recognized college or university in the home country, will normally be eligible for admission to the first year at WLU. Students who present the International Baccalaureate may also be considered for admission.

The applicant is required to submit original documents of academic records mailed directly from the registrar of the institution attended to the registrar, Wilfrid Laurier University. In cases where original documents are written in a language other than English, the applicant must provide notarized literal translations of the documents.

Proficiency in English: A student whose native tongue is not English is to submit, together with the application, evidence acceptable to the university of a proficiency in English. Normally this evidence is an acceptable score on either the Test of English as a Foreign Language (TOEFL) or the Michigan Test of English Language Proficiency. Currently, the minimum acceptable score for TOEFL is 560 and for the Michigan Test, 90 is the minimum acceptable score.

Application Deadlines

Applications must be received from undergraduate, mature and international students no later than July 15 in any given year. Applications received after this date may not be processed before the session begins.

Academic Year

Winter session: Early September to end of April. Intersession: May to end of June. Summer session: Early July to mid-August. Extension and evening session: September to end of April.

Grading System

Students are graded on a point system as follows: A+, 12; A, 11; A-, 10; B+, 9; B, 8; B-, 7; C+, 6; C, 5; C-, 4; D+, 3; D, 2; D-, 1; F, 0. Undergraduates must maintain grade point average of 7.00 in honors field of specialization and 4.00 in all other courses.

Student Life and Services

The students' administrative council is elected annually by the student body. Its purpose is to represent and promote the general welfare of the student body and to provide for the proper and adequate management of student affairs.

Clara Conrad Hall accommodates 243 women; Euler Hall (French House) 23 women and 14 men; Nils Willison Hall 163 men; Little House 160 men; Leopold House 8 women and 14 men; Bouckaert Hall 143 women; Macdonald House 96 men.

Wilfrid Laurier University does not provide complete services for the handicapped student. Some of the university's buildings are accessible, but others are not so equipped. However, special attention is given to handicapped individuals during registration and with regards to class scheduling and examinations.

Medical services are available to full and part-time students through the health services office. A medical clinic operates July through April.

The student counselling service assists students in intellectual, physical, emotional and spiritual development. Career counselling, study aids and personal counselling are available.

International students at the university are assigned to an international student advisor. Further information may be obtained from the office of the dean of students, telephone, (519) 884-1970 ext. 2319.

On and off campus employment services are offered by the director of student awards and placement. Part-time and summer job placements are also arranged.

Wilfrid Laurier University's co-ordinator of special needs for the handicapped is Judy Bruyn. For further information, telephone (519) 884-1970, ext. 2043.

University of Windsor*

General Information

Address: Windsor, Ontario N9B 3P4
Telephone: Windsor, (519) 253-4232; Detroit, (313) 963-6113
Telex: 024-77684

President and Vice-chancellor: Ronald W. Ianni, Q.C., BA, BComm, LLB, PhD

Inquiries: Direct general correspondence to the registrar, Francis L. Smith, BA, MEd

Director, secondary school liaison: Joseph Saso, BA

Full-time faculty (1989-90): 535

History and Governance

Assumption College was founded in 1857 and incorporated in 1858 by an act of the legislature of the province of Canada. Teaching began in 1857. From 1919 to 1953 the college was affiliated to the University of Western Ontario. In 1953 the Ontario legislature established a new government for the college and granted it university powers. The first degrees were awarded in 1954. In 1956 the Ontario legislature passed an act which changed the name of Assumption College to Assumption University of Windsor. In 1963 the University of Windsor was incorporated and Assumption University became a federated college of the university.

The University of Windsor is co-educational and non-denominational. It embodies 1 federated university (Assumption) and 3 affiliated colleges (Holy Redeemer, Canterbury and Iona) which are legally and financially distinct but subject in academic matters to the university senate. The university is administered by a 32-member board of governors and a 65-member senate.

International Mandate

International activities are co-ordinated through the Institute for International and Development Studies, which has among its responsibilities the facilitation of development projects and the organization of internationally-oriented research, conferences and seminars. Development projects undertaken by the university include economic advisory work in Africa and Latin America, and the improvement of training facilities for nurses in Jordan. Contact: Dr. E. Donald Briggs, director, Institute for International and Development Studies. Telephone: (519) 253-4232 ext. 2351.

Buildings and Grounds

The university is situated on a 100-acre campus south of the Detroit River, in the city of Windsor (population 195,028). There are 8 teaching buildings, a library, an administration building, a university centre, a large human kinetics complex including a fieldhouse and swimming pool, a dining and recreation centre, 8 residences and a computer centre.

Libraries

The Leddy Library contains 1,400,000 volumes of print material, 1,100,000 microform items and 300,000 government documents. About 8,000 current periodicals and serials are received, including important newspapers, both international and domestic. The library system has extensive collections of Canadian federal and provincial government documents and publications of major international organizations. Seating is available for 1,200 readers in a variety of general seating facilities, including open and closed carrels. The library has recently implemented the NOTIS automated library system.

The Paul Martin Law Library has over 270,000 volumes, including a large microform and audio and video tape collection. The Q/L automated Canadian legal database, Westlaw American legal database, as well as the Dialog system of social science databases are also available. The faculty of education has a separate education library.

Programs and Degrees

General bachelor's degrees require 3 years (30 to 32 semester courses) from the OSSD unless otherwise specified. Honors bachelor' degrees require 4 years (40 to 47 semester courses) from the OSSD unless otherwise specified. Most courses are 1 semester in length. Master's degrees require at least 2 years from a general bachelor's degree and at least 1 year from an honors bachelor's degree unless otherwise specified. Doctoral degrees require a minimum of 2 years from honors bachelor's degree.

Arts

Bachelor of arts (BA) general and honors programs.
Master of arts (MA)

Business administration

Bachelor of commerce (BComm) honors program, 4 years beyond the OSSD.
Bachelor of commerce (economics) (BComm) honors program, 4 years beyond the OSSD.
Bachelor of commerce for university graduate (BComm) honors program, 2 years beyond another undergraduate degree.
Master of business administration (MBA)
Joint MBA/LLB

Computer science

Bachelor of computer science (BCS) general and honors programs.
Bachelor of science (BSc) honors computer information systems.
Master of science (MSc)

* Ordinary member, AUCC

Dramatic art
Bachelor of arts (BA) general and honors programs.
Bachelor of fine arts (BFA) 4 years from the OSSD.

Education
Two undergraduate programs exist to prepare for certification to teach Grades 1 to the OAC in Ontario schools.
Consecutive program. One year beyond approved degree from accredited university leading to the bachelor of education (BEd) degree.
In-service program of professional courses leading to the bachelor of education (honors) degree. For practising teachers (8 semester course equivalents).
Master of education (MEd) At least 2 years beyond general bachelor's degree and BEd or 2 years related experience or 1 year from honors bachelor's degree.

Engineering
Bachelor of applied science (BASc) 4 years from the OSSD.
Master of applied science (MASc) At least 1 year from BASc or equivalent.
Doctor of philosophy (PhD) At least 3 years from BASc or equivalent degree or at least 2 calendar years from master's degree.

Human kinetics
Bachelor of human kinetics (BHK) 4 years from the OSSD.
Master of human kinetics (MHK) At least 1 year from honors bachelor's degree.

Law
Bachelor of laws (LLB) 3 years beyond at least 2 years of undergraduate study and preferably a bachelor's degree.
Joint MBA/LLB

Music
Bachelor of musical arts (BMA) general program only.
Bachelor of music (BMus) honors program only.
Diploma in church music (20 courses)

Nursing
Diploma in public health nursing (DPHN) 1 year and RN.
Bachelor of science in nursing (BScN) 4 years from the OSSD. Three years from the OSSD and RN.

Science
Bachelor of science (BSc) general and honors programs.
Bachelor of arts (BA) general and honors mathematics.
Master of science (MSc)
Doctor of philosophy (PhD) At least 3 years from honors BSc or equivalent or 2 years from MSc.

Social science
Bachelor of arts (BA) general and honors programs.
Bachelor of public administration (BPA) 4 years from the OSSD.
Master of arts (MA)
Doctor of philosophy (PhD) At least 2 years beyond master's degree or equivalent.

Social work
Bachelor of social work (BSW) 4 years from the OSSD.
Master of social work (MSW) At least 1 calendar year beyond BSW.

Visual arts
Bachelor of arts (BA) general and honors programs.
Bachelor of fine arts (BFA) 4 years from the OSSD.
Master of fine arts (MFA) 2 years from honors bachelor's degree.

Continuing education
Evening and part-time studies: Bachelor of arts and bachelor of commerce programs are offered for evening part-time students in addition to certificates (12 courses) in public administration, applied gerontology, business administration, religious studies, labor studies, gerontology, Japanese studies, informational publishing, organizational career development, criminology and criminal justice, and women's studies. Credit courses are offered at Chatham, Sarnia, Wallaceburg and Leamington, and through the distance education program.

Professional development: The university co-operates in offering courses with groups such as the Society of Management Accountants, Certified General Accountants, Industrial and Cost Accountants of Ontario, and Industrial Foremen's Club of Windsor. Space is also provided for courses offered by and for other vocational and professional groups. Most credit courses are open to auditors who may attend for no credit.

European study: Credit courses in literature and language are offered in Nice and Madrid.

Admission Requirements

Undergraduate
An average of at least 60% on 6 OAC credits including English I.

Other provinces: The following levels of education are considered equivalent to the OSSD. Alberta, British Columbia, Manitoba, New Brunswick, Newfoundland, Prince Edward Island, Saskatchewan: Grade 12. Nova Scotia: Grade 12 or first year at a Nova Scotia university after junior matriculation. Quebec: Grade 12 or completion of the first year of a general program at a CEGEP (minimum of 12 semester subjects) with appropriate standing. Subject requirements for specific programs equivalent to the OAC or Grade 13 requirements must be included in the above curricula.

Mature students
Students over 21 years of age by December 31 of the year of application and who may not have completed secondary school will be considered for admission to the appropriate level and program. Students who are not 21 years of age by December 31 may be considered for admission if they have completed satisfactorily a 4-year university-oriented secondary school program with a 66% average and have not been in attendance for a minimum

of 2 years. Applicants from overseas are not eligible under the "mature student" clause.

Senior students

Senior students are 60 years of age and over. Tuition fees are waived for senior students.

Graduate

Master's programs require a minimum second-class standing in final year and in the major subject. Students with honors baccalaureates may be admitted to 1-year programs and students with general bachelor's degrees may be admitted to 2-year master's programs. Applicants to doctoral programs must have master's degrees or honors bachelor's degrees or the equivalent with superior academic standing. Official transcripts, confidential reports and graduate record examination scores must be submitted.

International students

Students seeking admission to first year must present original certificates equivalent to the OSSD.

A candidate whose mother tongue is not English may be required to meet an appropriate standard in recognized test of English. This may be done using the Test of English as a Foreign Language (minimum acceptable TOEFL score 550) or the University of Michigan English Language Test (minimum acceptable MELAB score 88).

Applicants from overseas must send the official documents of their secondary education indicating subjects taken and grades obtained. Notarized English translations are necessary if the documents are not in English. Photocopies are not accepted.

United Kingdom and Commonwealth: Five passes on the general certificate of education including 2 at the A-level or 4 passes on the general certificate of education including 3 at the A-level. A minimum grade of D is required in the A-levels. Science must include A-level mathematics, physics and chemistry. Engineering must include A-level pure and applied mathematics, physics and chemistry. Nursing must include A-level English, biology and chemistry. Commerce must include A-level mathematics.

USA: High school graduation with at least a 2.75 (B-) grade point average.

Europe: The senior matriculation certificate as required by a recognized university in that country.

Central and South America: The senior matriculation certificate and completion of first year at a recognized university in that country.

India and Pakistan: A bachelor's degree at a recognized university in first or second division.

Middle East: Israel and Lebanon, the senior matriculation diploma. Other Middle East countries, the senior matriculation diploma and completion of first year at a recognized university in that country.

Africa and Asia: Countries following the British system, A-level standing on the GCE or equivalent as listed under the United Kingdom. Other African and Asian countries, the senior matriculation certificate and completion of first year at a recognized university in that country.

International Baccalaureate: Six subject passes in the IB examination including 3 at the higher level with a total grade of 28 and no mark less than 4.

Application Deadlines

Closing date for receipt of application forms for admission from graduate students and international students, July 1. All other applications must be complete by last date of registration.

Academic Year

Most courses 1 semester in length. First semester mid-September to early December; second semester early January to mid-April. Intersession: Early May to mid-June. Summer session: Early July to mid-August.

Grading System

A+, 13; A, 12; A-, 11; B+, 10; B, 9; B-, 8; C+, 7; C, 6; C-, 5; D+, 4; D, 3; D-, 2; F, 1; F-, 0. Advanced standing and supplemental examinations may be allowed in some areas. Certain courses are offered on pass/non-pass basis; grades are not included in the year's average.

Student Life and Services

The students' administrative council represents the undergraduates of the university. The council is based on faculty/student population with the executive elected by the students at large. It is funded by a university grant and carries out student activities as judged necessary. The president of the students' administrative council is an ex officio member of the senate of the university and a member of the board of governors.

The president of the graduate students' society is elected by the graduate students, appoints his or her own executive and is an observer on the board of governors.

Campus organizations provide social, political, religious, cultural and recreational opportunities. For students with special interests there are departmental clubs, national and local organizations and intercollegiate teams. The students operate a campus radio station and those interested in journalism or creative writing are encouraged to contribute to The Lance, The Ambassador and Generation. An international students' organization exists in co-operation with the students' administrative council. The international centre, which is located in Cody Hall, provides an educational and social milieu for international students. Counselling services, provided by the international students' advisor, are available. Telephone: 253-4232, ext. 3901.

A full-service day nursery is located on campus. This is a parent co-operative with qualified early childhood education teachers and individualized programs. Ages from 2 to 5 years are accepted, part and full-time. Fee assistance is available.

Electa Hall accommodates 225 senior and graduate students and Sir Wilfrid Laurier Hall accommodates 340 women students. Sir John A. Macdonald Hall, Cody Hall

and Huron Hall house a total of 661 students; G.-E. Cartier Hall accommodates 154 students; 41 units consisting of 2, 3 and 4-bedroom apartments in Tecumseh Hall accommodate 160 students. Married students are accommodated in Geoffrey Fisher Hall. The Anna and Charles Clark Residences accommodate 150 students in 20 townhouse-style apartments for 7 to 9 students each. Phase 2 will accommodate an additional 74 students in January 1991.

Comprehensive medical care is offered to all students of the university. The medical office has physicians to advise students who are in need of care, therapy or hospitalization. First-aid stations are distributed throughout the university; an infirmary is located in Cody Hall.

Charges for service are submitted to OHIP for students who are covered. Information concerning the accident insurance plan is available from the office of the dean of student affairs.

Academic, personal, financial and religious counselling is provided through the office of the dean of student affairs. The psychological centre, staffed with clinical psychologists, psychometrists and counsellors, offers programs in career planning, discussion groups, psychotherapy, reading and study skills, personal resource assessment, tension control and self-help.

Assistance in finding summer, part-time and permanent employment is provided by the career planning and placement office. Throughout the year interviews with prospective employers from business, industry and education are arranged for students registered with the office.

The department of recreational and athletic services sponsors programs which are both recreational and competitive. Approximately 3,500 students participate in 144 intramural sport and recreational programs. Men's and women's teams also compete in 19 sports in the Ontario Athletic Association.

Each year brings an increase in the variety and number of special events scheduled on campus or through campus organizations. The well-established christian culture series, conducted by the federated Assumption University, brings outstanding lectures and artists to the area throughout the academic year.

The school of music and the school of dramatic art offer diverse programs including the university band and orchestra, the Pep Band, the University Players, the University Singers, and experimental theatre. University Players productions are intended for all students attending the university. Students are invited to participate in all aspects of the production as actors, technicians and other positions used in the performance. The program includes classical drama, modern drama and comedy, musicals and children's plays.

Interest groups present debates, ethnic interest programs and club meetings. The campus organizations provide social, religious, cultural and recreational opportunities and experiences. For students having special abilities and interests there are departmental clubs, national and local organizations and intercollegiate teams.

The university attempts to meet the particular needs of disabled students whenever possible. Curriculum changes may be arranged if necessary through consultation with individual professors. For more information regarding services for disabled students, contact the office of the de n of student affairs, ext. 3287.

Research Services

Research Services. Associate dean: Terence E. Smith, BSc, PhD

Affiliated Colleges

Holy Redeemer College, Windsor, Ontario, N9B 3P4 Telephone, (519) 969-2840. Roman Catholic (Redemptorist). Men only. Established 1956. Seminary of Redemptorist Fathers and affiliated to faculties of arts and theology and authorized to offer instruction leading to BA of University of Windsor and BTh of Assumption University. Provides residence facilities and social and religious centre. Principal: Rev. A. Thomas, CSsR, JCD

Iona College, Windsor, Ontario, N9B 3P4 Telephone, (519) 253-7257. United Church College. Social and religious centre available. Principal: Rev. Robert J. Tschanz, BA, MDiv

Federated University

Assumption University, Windsor, Ontario, N9B 3P4 Telephone, (519) 254-3783. Federated with the University of Windsor by provisions of the University of Windsor Act, 1962-1963. By federation agreement, holds in abeyance its degree-granting power during term of federation except in faculty of theology. Residence facilities and social and religious centre provided. President: Rev. D.G. Heath, CSB STB, MA, DEd

The University of Winnipeg*

General Information

Address: 515 Portage Avenue, Winnipeg, Manitoba R3B 2E9
Telephone: (204) 786-7811

President and Vice-chancellor: Marsha P. Hanen, BA, MA, PhD

Inquiries: Direct general correspondence to the university secretary, Roger A. Kingsley, BA, MMath, PhD

High school liaison officer: N.A. Latocki, BA, MA

Full-time faculty (1989-90): 238

History and Governance

Higher education began in Manitoba with the creation of the church colleges. The University of Manitoba was founded in 1877, largely on the initiative of these colleges as an examining and degree-conferring body only. However since 1904 instruction in arts and science has been given at both the university and the colleges. Two of these colleges were Manitoba College, founded by the Presbyterian Church in 1871, and Wesley College, founded by the Methodist Church in 1877. In 1926, following the union of the churches, Manitoba and Wesley colleges were merged and they functioned from 1931 to 1938 as The United Colleges. They were incorporated as United College in 1938 and operated as an affiliated college of the University of Manitoba until granted university status in 1967. On July 1, 1967, United College became The University of Winnipeg. The name United College is retained to designate the arts and science faculty of the university which saw its first graduates in May 1968.

The University of Winnipeg is an autonomous, independent, co-educational body with power to grant degrees in arts, science, education and theology. It is governed by a 32-member board of regents and a 69-member senate.

International Mandate

The office of the vice-president (academic) develops and administers international projects in collaboration with external agencies. The university participates in academic exchanges, offers non-credit training for international clients, and provides university-level ESL and TESL training programs and a university entrance preparatory program for international students. It also organizes international conferences and workshops. Contact: Dr. A. Ross McCormack, vice-president (academic). Telephone: (204) 786-9797.

Buildings and Grounds

The university is located in downtown Winnipeg, the capital of the province of Manitoba and a city with a population of 625,000. It includes 11 buildings: Wesley Hall; George Bryce Hall; Manitoba Hall; Ashdown Hall; Graham Hall, Sparling Hall, part of which contains the Interfaith Pastoral Institute; Riddell Hall comprising the dining hall and cafeteria; Lockhart Hall; Centennial Hall which contains additional laboratory, classroom and seminar space, offices, cafeteria and student lounge space as well as enlarged facilities for the expanding library; the athletic centre; and MacNamara Hall which houses the child care worker training program and associated day-care centres, and Menno Simons College. No student parking is available, however, downtown location provides ready access by public transit.

Library

The university library contains over 473,830 volumes. The reference collection holds more than 25,500 volumes and the periodicals collection includes approximately 2,700 titles and subscriptions, 24,000 reels of microfilm and a microform collection of 83,200 microfiches and microcards.

Programs and Degrees

A general program of study is 3 or 4 years (15 or 20 credits) and an honors program 4 years (20 credits) from senior matriculation.

One full credit normally represents 1 full course requiring either 3 lecture hours per week for 2 terms, or 6 lecture hours per week for 1 term. One half credit is usually equivalent to 3 lecture hours per week for 1 term.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Arts

Bachelor of arts (BA) general, 4-year and honors.
Master of arts (MA) At least 2 years from a general BA or 1 year from honors BA. Offered jointly with faculty of graduate studies, the University of Manitoba.
Master of public administration (MPA) At least 2 years from general BA or 1 year from honors BA. Offered jointly with faculty of graduate studies, the University of Manitoba.

Science

Bachelor of science (BSc)
Bachelor of science (4-year) [BSc (4-year)] 1 year after completion of general BSc.

Education

Bachelor of education (BEd) 4 years from senior matriculation.

Theology

Master of divinity (MDiv) 3 years following a BA or equivalent degree. The program includes courses at the Nazarene and Mennonite Colleges in Winnipeg.
Master of sacred theology (STM) 2 years following the MDiv or equivalent degree.

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Certificate in marriage and family therapy. At least a year following a BA or equivalent degree. Clinical training offered through the Interfaith Pastoral Institute.

Co-operative programs

BSc 4-year program in chemistry. In addition to normal program requirements, students must complete 4 work terms and 1 course in fundamentals of computing. (A work term consists of a summer term or 1 term of the regular academic year.)

Continuing education

Evening classes: September to April. Classes are normally 1 night each week, 3 hours each night. There are undergraduate classes in arts and science for credit towards the BA and BSc degrees. A number of these classes are regularly scheduled at the Lord Selkirk Regional Secondary School in Selkirk, Manitoba.

Summer session: (1) May to June inclusive, normally 2 nights each week plus a limited number of sessions on a third night, 3 hours each night; (2) mid-May to end of June, normally 2 hours each day; (3) early July to mid-August, normally 2 hours each day, undergraduate classes in arts and science and education for credit towards BA, BEd and BSc degrees.

Collegiate division: Complete program of study for Grades 11 and 12. Summer school: Grades 10, 11, and 12 courses offered in July and August for 6 weeks to students studying in preparation for August examinations.

Admission Requirements

Undergraduate

Manitoba: High school applicants who graduated as of June, 1988, must: i) have standing in at least 20 credits which satisfy the Education Manitoba high school program; ii) present standing in at least 5 credits at the third year level including English and mathematics. At least 1 of English and Mathematics must be a 300 course. A recognized language 300 (e.g. German 300) can be substituted for mathematics 301; iii) include at least 3 recognized 300 courses in different subject areas. Certain 305 subjects may be substituted for 300 courses.

High school applicants who graduated prior to June 1988 must have completed Grade 12 which includes 3, 300-level subjects in order to meet regular status admission requirements. Complete final high school mark statements must be submitted.

Other provinces: Students from other provinces must have met the minimum requirements for regular status at a university in their home province.

Note: BEd applicants above must also have a minimum 60% average.

Mature students

Candidates at least 21 years of age who cannot meet normal admission requirements may qualify for admission as mature students by taking up to 4 full courses. Candidates will be required to submit evidence of academic suitability such as completion of a general high school program or some other postsecondary studies. Details are published in the university's "Mature Status Admission" brochure.

Senior citizens

Senior students are considered to be individuals 65 or over, or 60 to 64 years of age provided they are not gainfully employed. Senior students will be considered for admission if normal admission requirements are met. Proof of age is required.

Graduate

Students applying to the master of arts program must hold an honors bachelor of arts degree or have satisfactorily completed the pre-master's year. Those seeking admission to the master of divinity degree or the certificate in marriage and family therapy must have a bachelor of arts or equivalent degree. The master of sacred theology requires a master of divinity or equivalent degree.

International students

International students with academic credentials earned outside Manitoba will be considered for admission to the winter session only. Students whose mother tongue is not English must present evidence of proficiency in English: Satisfactory scores on the University of Michigan English language test or the Test of English as a Foreign Language or a minimum Can TEST score of 4.0. The minimum acceptable score for the University of Michigan test is 85; the minimum TOEFL score is 570. There is an application fee required of international students. No admission quotas are in effect but course enrolment limitations could easily interfere with desired study programs.

France: Baccalaureate.

USA: Acceptable Grade 12 academic high school graduation.

Other: Applicants submitting the International Baccalaureate diploma with 3 courses at the higher level and an additional 3 courses at the subsidiary level are eligible for admission and may be granted advanced standing in some cases.

Application Deadlines

Canadian candidates must submit applications by August 17; international students, by July 14.

Academic Year

Winter session: Mid-September to end of April. Summer sessions: (1) May-June inclusive; (2) early July to mid-August. February session: Early February to late April (limited offerings).

Grading System

Standing is graded in each subject on a 4 point scale as follows: Excellent, A+, A, A- (4.0); superior, B+ (3.5), B (3.0); slightly above average, C+ (2.5); average achievement, C (2.0); marginal pass, D (1.0); failure, F (0). To qualify for graduation, students must have, in all programs except the honors arts program, a 2.0 average

on the courses presented for graduation. In honors arts, a 3.0 average is required in the honors subject and a 2.75 average overall.

Student Life and Services

Student activities are administered by the students' association and financed by an annual students' association fee. An incorporated, non-profit organization, the students' association has exclusive control over student affairs at the university. The collegiate division, a special division of the university enrolling Grade 11 and 12 students, has representation on the students' council in addition to a students' association and executive of its own to control activities within the division.

The various activities of the student body are co-ordinated by student directors. This group of directors administers the following fields on behalf of students: Student public relations (radio and public relations); social events including freshman week, folk nights, concerts and university dances; and publications, such as the weekly newspaper and yearbook. There are a number of choirs on campus and the athletic association is responsible for organizing sporting activities such as racquetball, karate, judo, badminton, squash and fencing. The athletic association also arranges intramural and intercollegiate competition.

The students' association also operates a small day care facility on campus.

The students' association appoints 4 representatives to the board of regents for 1-year terms and 6 representatives to the senate for 1-year terms. In addition, the president of the students' association is a member of senate ex- officio.

Graham Hall, the university men's residence, accommodates 25 students and Sparling Hall for women accommodates 24 students. Food service facilities are provided through a dining hall and cafeteria in Riddell Hall, a buffeteria in Centennial Hall and coffee shops in Lockhart and Wesley Halls.

A housing registry covering various types of accommodation is maintained during the summer months and at the beginning of the fall term by the University of Winnipeg students' association.

The university-operated bookstore is located in Centennial Hall.

A public health nurse is available Monday to Friday mornings to staff and students. There is no charge for this service. Special needs students should make themselves known to the co-ordinator, services for students with special needs, in the office of the dean of arts and science. Students will be assisted with services or accommodations they may require.

International students are required to provide themselves with health insurance coverage, available through the student records office.

The student counselling service is available to students with academic, career or personal difficulties. There are special programs for freshmen students, in addition to academic and vocational counselling, behavior modification programs and a learning skills centre to help students correct language difficulties and poor reading habits.

Research Institute

Institute of Urban Studies. Director: T.S. Carter, BA, MA, PhD

Research Chairs

Chair in German-Canadian Studies.

Chair in Women's Studies (Joint with University of Manitoba).

Chair of Mennonite Studies. H. Loewen, BRE, BA, MA, CertEd, PhD

Associated Institutions

Mennonite Brethren College of Arts, 1-169 Riverton Avenue, Winnipeg, Manitoba R2L 2E5 Telephone, (204) 669-6575. Founded in 1944 and associated with the University of Winnipeg in 1970. Offers 2 years of a liberal arts program and extensive preparation for theology and Christian education. Also offers 3-year bachelor of religious studies degree. The college has residential accommodation for single men and women and quarters for married students and their families. Co-educational, supported and controlled by the Canadian Mennonite Brethren Conference. President: J. Pankratz, BA(Hons), MA, PhD

Menno Simons College, 515 Portage Avenue, Winnipeg, Manitoba R3B 2E9 Telephone, (204) 786-9100. The academic program of Menno Simons College is fully integrated with that of the University of Winnipeg. Menno Simons offers major programs in social and economic development studies and in conflict resolution studies. Degrees are granted by the University of Winnipeg. President: George H. Epp, BA, MA, PhD

York University*

General Information

Address: 4700 Keele Street, North York, Ontario M3J 1P3
Telephone: (416) 736-2100
Cable: YORKUNIV
Telex: 069-524736

President: Harry W. Arthurs, OC, BA, LLB, LLM, HonLLD, FRSCan

Inquiries: Direct general correspondence to the registrar

High school liaison officer: Patti-Jo McLellan Shaw

Full-time faculty (1989-90): 1,200

History and Governance

York University was founded in 1959 and was granted the Charter of Incorporation of York University from the government of Ontario. The university accepted its first students in 1960 and granted its first degrees in 1966. In June 1965, after an initial period of affiliation with the University of Toronto, York became an independent institution. York began operations in quarters at Queen's Park in Toronto, moved to the Glendon campus in 1961, and in 1965 opened the York campus at Keele Street and Steeles Avenue which has become the principal seat of the university.

In 1962 the Joseph E. Atkinson College first offered degree courses for evening and part-time students, and in 1963 the faculty of arts and science introduced its program of degree studies. The university accepted its first postgraduate students in 1964. Glendon College was officially opened in 1966 and in that same year a faculty of administrative studies was established. The faculty of fine arts was established in 1967. In 1968 Osgoode Hall Law School became the faculty of law of the university and separate faculties of arts and science were created. The faculty of environmental studies accepted its first students in 1969 and the faculty of education in 1971.

York University is a co-educational, provincially supported institution. Governance of the university is vested in a 32-member board of governors while academic policy is the responsibility of the senate.

International Mandate

York International promotes and markets the university internationally, and co-ordinates all its international relationships. It helps establish and monitor collaborative projects, co-ordinates the visits of foreign guests, and provides policy advice to the university. The university has many formal and informal overseas co-operative arrangements and linkages, and numerous research and exchange programs. It receives a large number of international students and offers a variety of area studies programs supported by specialized research centres. Contact: Dr. H. Ian Macdonald, director, York International. Telephone: (416) 736-5177.

Buildings and Grounds

The 600-acre York campus is situated in the city of North York in the northwest area of metropolitan Toronto. Readily accessible from downtown, the York campus is the main centre of the university and provides educational, residential and social facilities. In addition to academic buildings for the sciences, humanities, law, administrative studies and fine arts, the campus facilities include 6 colleges and associated residences, Atkinson College and apartments for part-time students, a theatre/auditorium, physical education centre, an indoor skating rink, 4 libraries, 2 lecture-hall buildings, 4 graduate student high-rise apartment buildings, a religious centre, a tennis centre, a track and field centre and a twin-dome astronomical observatory. New graduate student apartment housing comprising 9 low-rise buildings has recently been completed. A student centre and a new college building and residence is under construction due to be completed fall 1990.

The 82-acre Glendon campus is situated in a parkland setting at Bayview and Lawrence Avenues in Toronto. Glendon College is largely residential with an enrolment limited to approximately 1,800 students. The campus consists of a main academic and administrative building, library, residences and an athletic centre.

Libraries

York University libraries are housed in 5 buildings: The Scott Library, law library, government documents/administrative studies library and Steacie Science Library on the main campus, and the Leslie Frost Library at Glendon College. Government documents are located in the administrative studies library. System holdings include: Bound volumes, 1,993,000; microfilms, by reel, 47,700; microsheets, by piece, 1,697,000; maps, 86,500; sound recordings, 26,000; films, 1,800; archival materials, 7,160 linear feet. All holdings are catalogued in Yorkline, an integrated online library system.

Programs and Degrees

Ordinary bachelor's degrees, except for bachelor of science (BSc) degree, require the completion of 15 courses (usually taking 3 years), while specialized honors and honors, except for BSc degree, (double major) and honors (major/minor), honors require 20 courses (usually taking 4 years unless otherwise specified). These programs can be accelerated through summer studies or often slowed by part-time studies, depending on the needs for individual students. Ordinary BSc degree requires at least 90 credits. Honors BSc degrees require at least 120 credits. Master's degrees require 1 year from 4-year bachelor's or honors degree unless otherwise specified. Doctorates require at

* Ordinary member, AUCC

least 2 years from master's degrees unless otherwise specified.

Three credits normally represent 3 lecture hours per week for 1 term. Six credits is usually equivalent to either 3 lecture hours per week for 2 terms or 6 lecture hours per week for 1 term. Extra credits may occasionally be awarded for labs or particularly demanding courses.

For detailed information on programs, see **Degree, diploma and certificate programs** chapter.

Administrative studies

Bachelor of business administration (BBA) 4-year specialized honors program from senior matriculation. Two years in another undergraduate faculty followed by 2 years in faculty of administrative studies.
Master of business administration (MBA) 2 years from 3 or 4-year degree in courses other than business administration or commerce. Possibility of completion in 1 year from 4-year degree in business administration or commerce. Open to part-time students.
Master of public administration (MPA) 2 years from 3 or 4-year degree in courses other than business administration or commerce. Possibility of completion in 1 year from 4-year degree in business administration or commerce. Open to part-time students.
International master of business administration (IMBA) 24 months from 3 or 4-year degree. In addition, foreign language proficiency (French, German, Japanese, Mandarin, Spanish) and previous international background or experience required. Not open to part-time students.
Doctor of philosophy (PhD) At least 2 years from MBA or MPA.

Arts

Bachelor of arts (BA) ordinary and honors program.
Master of arts (MA)
Doctor of philosophy (PhD)

Education

Bachelor of education (BEd) Faculty of education offers BEd concurrently with another degree offered by an academic faculty and also consecutively following an academic undergraduate degree.
In the concurrent format, the faculty offers programs leading to the Ontario teacher's certificate in 2 divisions, primary-junior (Grades kindergarten to 6), junior-intermediate (Grades 4 to 10), and intermediate-senior (Grades 7 to 12/OAC). In the consecutive format, only the primary-junior program is available.
The faculty of education's BEd (in-service) degree program may be taken on a part-time or full-time basis. Designed for practising teachers who have already completed their basic teacher education, this program normally provides candidates with additional Ministry of Education qualifications as well as degree credits.
Part-time or full-time diploma program offered in the area of education of exceptional students.
A master of education (MEd) program is offered in the area of language and learning problems, with specialization in learning disabilities and hearing impairment. Offered primarily for part-time study; full-time study available.

Environmental studies

Master environmental studies (MES) in interdisciplinary programs tailored to meet specific needs and interests through the use of an individual plan of study, normally taking 3 academic years to complete. Persons with appropriate academic or professional qualifications may be granted advanced credit, after enrolment and submission of plan of study.

Fine arts

Bachelor of arts (BA honors)
Bachelor of fine arts (BFA honors)
Master of arts (MA) At least 2 years from first degree.
Master of fine arts (MFA) At least 2 years from first degree.

Law (Osgoode Hall Law School)

Bachelor of laws (LLB) 3 years after third year of approved university course beyond junior matriculation, 3 years after second year of approved university course beyond senior matriculation, or 3 years after bachelor's degree from recognized university.
Master of laws (LLM) At least 1 year after LLB degree from approved law faculty or school. Open to part-time students.
Doctor of jurisprudence (DJur) At least 1 year after LLM degree from approved law faculty or school.

Pure and applied science

Bachelor of science (BSc) ordinary and honors programs.
Master of science (MSc) 1 or 2 years from 4-year BSc plus additional work as required.
Doctor of philosophy (PhD) At least 2 years from MSc.

Joseph E. Atkinson College

Bachelor of arts (BA) ordinary and honors. Part-time study.
Bachelor of science (BSc) ordinary program. Part-time study.
Bachelor of administrative studies (BAS) ordinary and honors programs. Part-time study.
Bachelor of social work (BSW) honors program. Part-time study.
Master of social work (MSW) program. Part-time study.

Glendon College

Bachelor of arts (BA) ordinary 15 full courses or 90 credits.
Honors 20 full courses or 120 credits.

Special programs

Interdisciplinary studies: York University's curriculum is based on the principle that students should be able to pursue a wide range of interdisciplinary studies along with their disciplinary specialty. Students select from a broad range of interdisciplinary courses in humanities,

social sciences and natural sciences as well as from courses in their own home department or faculty.

Combined programs: Combined bachelor of laws and master of environmental studies (LLB/MES) and bachelor of laws and master of business administration (LLB/MBA) offered through Osgoode Hall Law School and the other 2 faculties.

Continuing education

Joseph E. Atkinson College offers degree programs for undergraduates on part-time basis in summer (day and evening), autumn/winter and January (evening) sessions. Part-time day studies are available in the faculties of arts and pure and applied science in both the fall/winter and winter/summer sessions and in the faculty of fine arts in the fall/winter session. Glendon College offers part-time day studies with classes commencing in September and in January. In addition, the faculty of graduate studies offers part-time master of science degree programs in biology, physics, and chemistry, part-time master of arts studies in dance, economics, English, geography, history, mathematics, philosophy, political science, social and political thought, social anthropology, social work and sociology. The faculty of environmental studies allows students to study for master of environmental studies degree on part-time basis. Master of laws degree is available through part-time study at Osgoode Hall Law School. The faculty of education offers a mainly part-time BEd (in-service) degree program for practising teachers who have already completed their basic training. In most subject areas, additional Ministry of Education qualifications are obtained through the same credits. The faculty of education also offers a part-time or full-time diploma program in the education of exceptional students in summer, fall-winter, and winter sessions both on and off campus, and a part-time or full-time master of education (MEd) in language and learning problems. The faculty of administrative studies offers part-time graduate programs leading to master of business administration and master of public administration degrees.

Non-degree programs

The centre for continuing education is the major unit within York University where non-academic short-term studies and activities are offered. Now in its 24th year, the centre has served over 200,000 registrants in a range of seminars, symposia, workshops, conferences and courses in language and community studies, education and management development.

Language and community programs offer a wide variety of upgrading courses both written and oral for the professional and the general public. Courses include: Effective writing, speaking, conversational French, Spanish, Russian, Chinese, Mandarin/Cantonese, and Japanese. University preparation courses to help hesitant mature students to embark upon degree studies consist of courses in humanities, social science, and GMAT mathematics preparation. English as a second language (ESL) courses include: English summer language program; intensive English program and part-time offerings in reading/writing; and conversational English.

Education programs include major annual conferences and symposia on the topics of reading, special education, mathematics, and drama. Other professional updating offerings for educators include a driver education instructor's course for teachers and other relevant and timely interest areas.

Management studies offers certificate programs in management and marketing; citation programs in small business and supervisory management; and on-day professional development seminars.

Many of the course offerings are designed to lead to specific professional designations and are sponsored on a continuing basis in co-operation with various Canadian professional associations.

The centre's activities take place across the calendar year, at both the York and Glendon campuses, at several off campus locations.

Dedicated to effective collaboration with government, business, professional and general communities, the centre invites interested individuals and groups to help build useful learning experiences for personal and professional growth.

Admission Requirements

Undergraduate

Ontario: Applicants must have completed a full Ontario academic course Grade 13 program with a minimum overall average of 70%. In the transitory period from the Ontario secondary school honor graduation diploma (OSSHGD) to the Ontario secondary school diploma (OSSD), a combination of Grade 13 courses and Ontario academic courses (OACs) adding up to 6 will be acceptable. Applicants to the faculty of fine arts must provide evidence of aptitude or achievement through faculty evaluation procedures. Early admission is granted in June to candidates in their final year of high school who show promise of success. Applicants should note that meeting the minimum requirements does not guarantee admission to the university. In the selection process, preference will be given to those applicants with the highest qualifications.

Other provinces: Candidates must submit certificates equivalent to Ontario Grade 13. British Columbia, Alberta, Saskatchewan, Manitoba, New Brunswick, Newfoundland, Nova Scotia, and Prince Edward Island, Grade 12. Quebec, first year of collegial program at a CEGEP.

Transfer students

Applicants who have completed studies at an accredited postsecondary institution are eligible for advanced standing (transfer credit) consideration subject to faculty evaluation. Assessment will be made only after an application, official transcripts and course descriptions of all courses completed has been received.

International students

Applicants must present certificates equivalent to standing required for Canadian students. No quotas

exist for international students. Students must meet academic and English facilities requirements.

UK and Commonwealth: Five GCE passes with at least 2 at A-level or passes in 4 subjects with at least 3 at A-level. School or higher school certificates may also be presented as equivalent to GCE regulations.

USA: Scholastic aptitude test scores, both verbal and mathematical, required in addition to graduation certificate.

South and Central America: First year standing in a recognised institution of higher education.

India, Pakistan, Bangladesh: BA or BSc in first or second division.

Japan, Korea, Taiwan: First year standing in a recognized institution of higher education.

International Baccalaureate: Passes in 3 subjects at higher level and 3 subjects at subsidiary level.

Other: Applicants presenting qualifications other than the above should contact the admissions office for information.

Candidates whose first language is not English and who are applying with 4 years or less in a Canadian secondary school will be required to present proof of English facility. Satisfactory achievement in 1 of the following is acceptable: The Test of English as a Foreign Language (TOEFL), minimum 580; the Michigan English Language Assessment Battery (MELAB), minimum 95; the English Language Testing Service (ELTS), minimum 6.5; the York University Evaluation of English Facility. Further information will be forwarded upon receipt of an application for admission.

Les candidats francophones ne sont pas tenus de faire la preuve de facilité en anglais pour l'admission au Collège universitaire Glendon.

Mature students

Those 21 years of age or older as of the first day of classes for session to which admission is sought who do not meet normal admission requirements. A student applying as a mature student normally will be asked for: a) a personal letter indicating intent and outlining activities undertaken since the most recent academic experience or during it; b) letters of assessment of academic ability; c) birth certificate to prove eligibility; d) transcripts of high school record and subsequent academic experience. The university may also require a series of interviews of the mature candidate. A candidate will not be admitted as a mature student who: Has attended university and does not meet university admission requirements; within the last 2 years attempted studies in fulfillment of York admission requirements but failed to do so; is not a resident of the province of Ontario, a Canadian citizen or permanent resident.

Senior citizens

Academic fees are waived for all Canadian citizens or permanent residents 60 years of age or older.

Graduate

Applicants must be graduates of a recognized university with at least B (second-class) standing or have equivalent qualifications. Evidence of other relevant experience such as portfolios of work, letters of recommendation and results of tests also considered. In a few exceptional cases, students without undergraduate degrees may be admitted to graduate programs in business administration and environmental studies.

Application Deadlines

Ontario Grade 13 applicants who wish to be considered for early admission must submit applications and other necessary information to the Ontario Universities Application Centre. Exact dates for receipt of application forms for all undergraduate faculties and programs can be obtained by writing to the office of admission at York University. Atkinson College and the faculty of graduate studies handle their own inquiries through their separate admission offices.

Academic Year

Faculties of arts, pure and applied science, administrative studies, education, fine arts, and Glendon College: Fall/Winter terms, early September through April; summer session, May to August or July to August; winter-summer session (faculty of arts, pure and applied science and Glendon College, first year only); February to June. Faculties of graduate studies and environmental studies: (Fall term) September to December; (winter term) January to May; (spring/summer term) May through August. Osgoode Hall Law School: Early September to mid-May. Atkinson College: Part-time studies: (Autumn/winter evening session) mid September to early April; (winter session) January to early April; (summer evening session) mid-May to mid-August; (summer day session) July to mid-August.

Grading System

Grading system at York University varies with faculty in which student is registered. Generally speaking, courses are graded by letters A, B, C, D, E and F. Where the letter-grade system is used to assess performance, numerical values in the form of point values or percentages may be assigned to these grades. Some courses and seminars are graded on a pass/fail basis. Students are strongly advised to consult calendars for details.

Student Life and Services

There are 15 funded student governments at York University, the primary units being the council of the York student federation at the undergraduate level and the graduate student association at the graduate level. The council of the York student federation consists of all students in the faculties of arts, education, fine arts, pure and applied science, and undergraduate students in the faculty of administrative studies. In addition, students in Osgoode Hall Law School, Glendon College and Atkinson College are associate members of the undergraduate student government. The graduate student association consists of all students in the faculty of graduate studies, and as associate members, students in administrative

studies and environmental studies. Each of these student governments provides their student members with a wide range of services and extra-curricular activities and represents their interests in a variety of dealings with university faculties, service offices and departments.

In addition, undergraduate students become members in 1 of 7 funded college student governments during their first year. After first year, college membership is optional. Each of these councils provides a full range of social, cultural and athletic programs.

Three funded student organizations also provide services to the community: Excalibur Publications, Radio York: CHRY Community Radio, and CLASP, Community and Legal Aid Services Program.

Students-elect sit on the board of governors, the university senate, faculty councils and the council of masters. In addition, students are invited to participate on a number of university advisory committees.

The university offers residence accommodation on the Glendon and York campuses on a room and board basis. There are 6 undergraduate residences accommodating 1,559 men and women on the main campus and 2 residences on the Glendon campus for 427 students. In addition, accommodation for approximately 1,200 graduate, mature and/or married students is available in the York apartments on the main campus.

Listings of accommodation in the vicinity of the York campus are maintained year-round by the off campus housing office located in room 124 Central Square in the Ross Building. Contact should be made in person. At Glendon College the off campus housing office is situated in the student union office in York Hall. Listings are available throughout the academic year.

The university maintains a health service on both campuses, where nurses and doctors are on duty 5 days a week during the academic year. Minor complaints can be treated by the health service and students, staff and faculty are welcome to use its facilities.

Persons 21 years of age or over, or who are married, are no longer covered by their parents' insurance, and the university does not cover its students under the Ontario Health Insurance Plan. To obtain coverage students should complete the application forms available from OHIP. Premium assistance is available for all persons who have no taxable income. Applicants must have been Ontario residents for at least the previous 12 months.

All full-time students in the faculties of arts, education (concurrent program only), fine arts, Glendon College, Osgoode Hall Law School, pure and applied science, undergraduate students in administrative studies, and full- and part-time students in graduate studies and environmental studies are automatically enrolled in a health care program, as a result of student referenda which were held in October 1989. The program is administered by the council of the York student federation and financed through a levy payable by students at registration. It is a 1-year contract, subject to renewal by referenda when deemed appropriate, and provides extended health, prescription drugs, accident and sickness benefits.

Individual counselling and group programs on personal and self-enhancement are available for students through counselling centres at the York and Glendon campuses and through Atkinson College. Academic counselling is offered through the colleges and faculties. Specialized facilities are also available in the faculties for assistance in writing, mathematics, and computer use.

Career counselling is available at the York and Glendon campuses and offers a wide range of counselling, training, information and employment resources to meet the varied career development needs of prospective, registered and recent students, staff and faculty. In addition, Atkinson College offers a career development service and administrative studies and provides a student placement service.

International students may obtain information and assistance through the foreign student counsellor located at 124 Central Square, telephone, (416) 736-5144.

Low income students can take advantage of the free legal aid services offered by Osgoode Hall law student volunteers under the community and legal aid services program (CLASP). Divisions concentrate on tenant, criminal, civil litigation, family law, and the administrative law division covers problems in workmen's compensation, UIC/immigration, employment standards, welfare and general administrative law.

A co-operative day-care center on the York campus has facilities for 110 children from the age of 6 weeks to 6 years. This service is available to faculty, staff and students for a fee and participation. The service is subsidized through the Metro community and social services program.

The Scott Religious Centre is the focus for a number of activities sponsored by religious communities on campus.

University bookstores on the Glendon campus and the York campus stock titles of general interest as well as books required for university courses. Books are priced at the Canadian publisher's or distributor's recommended list price, and every effort is made to keep all prices competitive with those of other Toronto-area bookstores. A selection of stationery and other merchandise is also available.

A variety of services are provided for students with physical or learning disabilities. Students with physical disabilities contact the office for students with disabilities, telephone, (416) 736-5140, TDD 736-5263. Students with learning disabilities should contact M. Wilchesky, telephone, (416) 736-5297.

Athletic facilities enable York students to participate in a wide range of individual, dual and team sports. At the York campus, the Tait McKenzie Physical Education Centre, the metro track and field centre, and the national tennis centre offer many facilities, including weight training rooms, a 25 m swimming pool, gymnasia, 8 squash courts, a 200 m synthetic track, and a sports injuries clinic. Outdoor facilities include an ice arena, 19 tennis courts, playing fields and a 400 m synthetic track.

Facilities at the Glendon campus include 2 gymnasia, a 25 m pool, 4 squash courts, weight training areas, 3 tennis courts, playing fields and jogging trails.

Parking facilities are available on both campuses. For information, contact the parking offices at the Glendon campus and the York campus.

An express bus service operated by the university links the main campus with Glendon College. In addition, the Toronto Transit Commission operates 10 bus services to the York campus. TTC buses run from Lawrence subway station to the entrance of the Glendon campus.

Research Institutes

Centre for Atmospheric Chemistry. Director: P.B. Shepson, BS, PhD

Centre for International and Strategic Studies. Director: D.B. Dewitt, BA, MA, PhD

Centre for Refugee Studies. Director: H. Adelman, BA, MA, PhD

Centre for Research in Experimental Space Science (CRESS). Director: R.W. Nicholls, ARCS, BSc, PhD, DSc, FInstP, FRAS, FAPS, FRSC

Centre for Research on Latin America and the Caribbean (CERLAC). Director: Liisa North, BA, MA, PhD

Centre for Research on Public Law and Public Policy. Director: M.E. Gold, BA, LLB, LLM

Centre for Study of Computers in Education. Director: R.D. Owston, BSc, BEd, MEd, PhD

Institute for Social Research (ISR). Director: V.A. Preston, BA, MA, PhD

LaMarsh Research Programme on Violence and Conflict Resolution. Director: M.D. Smith, BA, BPE, MS, PhD

Robarts Centre for Canadian Studies. Director: S.E. Houston, BA, MA, PhD

University of Toronto/York University Joint Centre for Asia Pacific Studies. Director: D.C.M. Lary, BA, PhD

Research Chairs

Guy Warwick Rogers Chair in Atmospheric Chemistry.

John P. Robarts Chair in Canadian Studies. Joan Vastokas, MA, PhD

Mariano A. Elia Chair in Italian-Canadian Studies. Sally Zerker, MA, PhD

NSERC/AES Industrial Research Chair in Atmospheric Chemistry. Hiromi Niki, BA, MS, PhD

Constituent Colleges

Joseph E. Atkinson College, York University, North York, Ontario M3J 1P3 Telephone, (416) 736-5222. Established 1962. Offers evening and part-time day courses leading to BA, BAS, BSc, BSW degrees. Dean: S. Griew, BSc, DipPsych, PhD

Glendon College, 2275 Bayview Avenue, Toronto, Ontario M4N 3M6 Telephone, (416) 487-6710. Established 1966 on Glendon campus. Small bilingual liberal arts college. Offers full-time and part-time courses leading to BA degrees. Courses taught in both English and French in all subject areas. Principal: R. Runte, MPhil, PhD, HonDLitt

Osgoode Hall Law School, York University, North York, Ontario M3J 1P3 Telephone, (416) 736-5030. Established in 1872, Osgoode became a constituent faculty of the university in 1968 and moved from downtown Toronto to its new site on the main campus in 1969. The school's teaching facilities and library, probably the largest in Canada, provide an excellent foundation for education and research. Offers courses leading to LLB, LLM and DJur degrees. Dean: J.C. MacPherson, BA, LLB, LLM

York University developed on the college system. All full-time undergraduate students are members of the college with which they are associated throughout their university careers. Each college (Calumet's new facilities to be ready fall 1990) has its own dining hall, seminar rooms, recreation areas and associated residence building. Colleges have active student councils, college course programs and are responsible for orientation and advising programs. As members of small colleges of approximately 2,000 undergraduates, students have combined advantages of a small college atmosphere while enjoying facilities of a large university. There are 7 colleges for full-time undergraduate students on the York campus. The following is a list of these colleges, their founding dates, telephone numbers and respective college masters.

Norman Bethune College (1971) Telephone, (416) 736-5164. F.J. Morgan, BSc, MSc, PhD

Calumet College (1970) Telephone, (416) 736-5098. M.J. Keall, BS, MA, PhD

Founders College (1965) Telephone, (416) 736-5148. TBA

McLaughlin College (1968) Telephone, (416) 736-5128. C.M. Lanphier, AB, AM, PhD

Stong College (1969) Telephone, (416) 736-5132. A.C. Koretsky, AB, MA, PhD

Vanier College (1966) Telephone, (416) 736-5192. M.S. McCarthy, BA, MEd

Winters College (1967). D.A. Newgren, BFA, MS, PhD

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- Criminology 384
- Dance 384
- Dentistry 384
- Earth sciences 385
- Economics 387
- Education 388
- Engineering 399
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- Forestry 406
- Geography 407
- Health education 409
- History 410
- Home economics 412
- Journalism, communication, radio-television 413
- Languages and literatures 414
- Law 420
- Library science 421
- Marine science 421
- Mathematics 421
- Medicine 424
- Music 430
- Nursing 432
- Optometry 433
- Period studies 433
- Pharmacy 434
- Philosophy 434
- Physical education and recreation 436
- Physics 439
- Political science 441
- Psychology 443
- Regional studies 445
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- Religious studies 446
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- Musique 430
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- Pharmacie 434
- Philosophie 434
- Physique 439
- Psychologie 443
- Réadaptation 446
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- Sciences de la terre 385
- Sciences domestiques et sciences de la nutrition 412
- Sciences du secrétariat 449
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Guide

This guide is to be used with the degree, diploma and certificate programs information.

The following pages identify fields of study available at Canadian universities, ranging from agriculture to veterinary medicine. Each field provides an alphabetical list of the types of programs offered, the institutions and the level at which they are offered.

Refer to the key below for an explanation of the numbers used to identify the program levels.

For detailed information regarding undergraduate programs, contact the university registrar. For graduate programs, contact the dean of graduate studies.

Turn the page for the abbreviations of university names used in the degree, diploma and certificate programs list.

Key

1 Doctorate
2 Master of philosophy
3 Master
4 Licence
5 Graduate diploma
6 Bachelor and first professional degree, major specialization or concentration
7 Undergraduate diploma or certificate
8 Special certificate
9 Major or diploma
10 Minor or certificate

Guide

Le présent guide s'applique aux renseignements concernants les programmes préparant à un grade, un diplôme ou un certificat.

Dans les pages qui vont suivre on trouvera les domaines d'étude offerts dans les universités canadiennes, depuis l'agriculture jusqu'à la médecine vétérinaire. Pour chacun des domaines il se trouve une liste alphabétique des genres de programmes offerts, des établissements et du niveau auquel ces programmes sont offerts.

Veuillez vous reporter à la clef ci-après; vous y trouverez une explication des numéros utilisés pour indiquer le niveau des programmes.

Pour obtenir des renseignements détaillés sur les programmes d'études du 1er cycle, veuillez communiquer avec le secrétaire général de l'université. S'il s'agit de renseignements sur les programmes d'études des 2e et 3e cycles, vous voudrez bien vous adresser au doyen des études supérieures.

Vous trouverez au verso du présent feuillet les abréviations utilisées pour désigner les universités dans la list des programmes préparant à un grade, un diplôme ou un certificat.

Explication des numéros

1 Doctorat
2 Maîtrise en philosophie
3 Maîtrise
4 Licence
5 Diplôme d'études supérieures
6 Baccalauréat et premier diplôme professionnel
7 Diplôme d'études de 1er cycle
8 Certificat spécial
9 Majeure ou diplôme
10 Mineure ou certificat

Abbreviation Abréviation	Name of institution Nom de l'établissement
Acadia	Acadia University
Alberta	The University of Alberta
Athabasca	Athabasca University
Bishop's	Bishop's University
Brandon	Brandon University
Brescia	Brescia College
British Columbia	The University of British Columbia
British Columbia Open	British Columbia Open University
Brock	Brock University
Calgary	The University of Calgary
Campion	Campion College
Camrose Lutheran	Camrose Lutheran University College
Cape Breton	University College of Cape Breton
Carleton	Carleton University
CMR de Saint-Jean	Collège militaire royal de Saint-Jean
Concordia (AB)	Concordia College
Concordia (PQ)	Concordia University
Dalhousie	Dalhousie University
Dominicain de philosophie	Collège dominicain de philosophie et de théologie
Guelph	University of Guelph
Hautes Études Commerciales	École des Hautes Études Commerciales
Huron	Huron College
King's (AB)	The King's College
King's (NS)	University of King's College
King's (ON)	King's College
Lakehead	Lakehead University
Laurentian	Laurentian University of Sudbury
Laurentienne	Université Laurentienne de Sudbury
Laval	Université Laval
Lethbridge	The University of Lethbridge
Luther	Luther College
Manitoba	The University of Manitoba
McGill	McGill University
McMaster	McMaster University
Memorial	Memorial University of Newfoundland
Moncton	Université de Moncton
Montréal	Université de Montréal
Mount Allison	Mount Allison University
Mount Saint Vincent	Mount Saint Vincent University
New Brunswick	University of New Brunswick
Nova Scotia Agricultural	Nova Scotia Agricultural College
NSCAD	Nova Scotia College of Art and Design
OISE	The Ontario Institute for Studies in Education

Ottawa	Université Ottawa University of Ottawa
Polytechnique de Montréal	École Polytechnique de Montréal
Prince Edward Island	University of Prince Edward Island
Québec	Université du Québec
Québec, ENAP	Université du Québec - École nationale d'administration publique
Québec, ETS	Université du Québec - École de technologie supérieure
Québec, IAF	Université du Québec - Institut Armand Frappier
Québec, INRS	Université du Québec - Institut national de la recherche scientifique
Québec, Télé-université	Université du Québec - Télé-université
UQAT	Université du Québec en Abitibi-Témiscamingue
UQAC	Université du Québec à Chicoutimi
UQAH	Université du Québec à Hull
UQAM	Université du Québec à Montréal
UQAR	Université du Québec à Rimouski
UQTR	Université du Québec à Trois-Rivières
Queen's	Queen's University at Kingston
Redeemer	Redeemer College
Regina	The University of Regina
Royal Military	Royal Military College of Canada
Royal Roads Military	Royal Roads Military College
Ryerson	Ryerson Polytechnical Institute
Sainte-Anne	Université Sainte-Anne
Saint-Boniface	Collège universitaire de Saint-Boniface
St. Francis Xavier	St. Francis Xavier University
St. Jerome's	The University of St. Jerome's College
St. John's	St. John's College
Saint Mary's	Saint Mary's University
St. Michael's	University of St. Michael's College
Saint-Paul	Université Saint-Paul Saint-Paul University
St. Paul's	St. Paul's College
St. Thomas More	St. Thomas More College
St. Thomas	St. Thomas University
Saskatchewan	University of Saskatchewan
Sherbrooke	Université de Sherbrooke
SIFC	Saskatchewan Indian Federated College
Simon Fraser	Simon Fraser University
Sudbury	University of Sudbury Université de Sudbury
Technical University	Technical University of Nova Scotia
Toronto	University of Toronto

Trent	Trent University
Trinity	University of Trinity College
Trinity Western	Trinity Western University
Victoria (BC)	University of Victoria
Victoria (ON)	Victoria University
Waterloo	University of Waterloo
Western Ontario	The University of Western Ontario
Wilfrid Laurier	Wilfrid Laurier University
Windsor	University of Windsor
Winnipeg	The University of Winnipeg
York	York University

Degree, Diploma and Certificate Programs
Programmes préparant à un grade, un diplôme ou un certificat

Agriculture/Agriculture

Agricultural biology
Guelph 1.3
Nova Scotia
Agricultural 6.7
Saskatchewan 6

Agricultural business
Alberta 6
British Columbia 3.6
Guelph 10
Nova Scotia
Agricultural 7

Agricultural chemistry
British Columbia 1.3.6
McGill 1.3
Nova Scotia
Agricultural 7
Saskatchewan 6

Agricultural economics
Alberta 1.3.6
British Columbia 1.3.6
Guelph 1.3.6
Lethbridge 6
Manitoba 1.3.6
McGill 3.6
Nova Scotia
Agricultural 6
Saskatchewan 1.3.5.6

Agricultural engineering
Alberta 3.6
Guelph 1.3.6
Manitoba 3.6
McGill 1.3.6
Nova Scotia
Agricultural 6.7
Saskatchewan 1.3.5.6
Technical
University 1.3.6

Agricultural extension
British Columbia 3
Guelph 3
Saskatchewan 6

Agricultural land planning and development
British Columbia 1.3.6
Guelph 3.6

Agricultural mechanics
Guelph 8
Nova Scotia
Agricultural 6.7

Agricultural microbiology
British Columbia 1.3.6
Guelph 1.3.6
McGill 1.3.6

Agricultural sciences, general
British Columbia 6
Manitoba 6
McGill 6

Agricultural soils
Nova Scotia
Agricultural 6

Agriculture-English language program
Alberta 1.3.6
British Columbia 1.3.6
Guelph 1.3.6
Manitoba 1.3.6.7
McGill 1.3.6.7
Nova Scotia
Agricultural 7
Saskatchewan 1.3.5.6.8

Agriculture-programme en langue française
Laval 1.3.6.9

Agro-économie
Laval 6
Moncton 7

Agronomy
Alberta 6
British Columbia 6
Saskatchewan 6

Animal and poultry science
British Columbia 1.3.6

Animal science
Alberta 1.3.6
Guelph 1.3.6
Manitoba 1.3.6
McGill 1.3.6
Nova Scotia
Agricultural 6.7
Saskatchewan 1.3.5.6

Apiculture
Guelph 1.3.6

Applied microbiology
Guelph 6
Saskatchewan 1.3.5.6

Aquaculture
British Columbia 1.3.6
Dalhousie 5
New Brunswick 6

Bio-agronomie
Laval 6
Moncton 7

Biologie végétale
Laval 1.3

Bio-resource engineering
British Columbia 1.3.6

Biotechnology
British Columbia 3.6
Guelph 10

Botanical science
McGill 6
New Brunswick 1.3.6

Community resource development
McGill 1.3.6

Crop science
Guelph 1.3.6
McGill 6
Saskatchewan 1.3.5.6

Dairy science
Alberta 6
Guelph 6
Manitoba 7

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
7. Undergraduate diploma or certificate 8. Special certificate 9. Major or diploma 10. Minor or certificate

Dietetics and human nutrition
McGill 3

Economie rurale
Laval 3.9

Entomology
Alberta 1.3.6
British Columbia 1.3
Guelph 1.3.6
Manitoba 1.3.6
McGill 1.3
New Brunswick 1.3.6

Environmental biology
Guelph 1.3
McGill 6

Environmental horticulture
Guelph 1.3.6

Environmental protection
Guelph 1.3.6

Environmental soil science
Guelph 1.3.6

Field crops and plant breeding
Guelph 1.3

Food science
British Columbia 1.3.6
McGill 6

Génie rural
Laval 3.6

Grazing management
Alberta 6

Horticultural science
Guelph 1.3.6
McGill 6

Horticultural science and business
Guelph 1.3.6

Horticulture
British Columbia 6
Guelph 1.3.6
Nova Scotia
Agricultural 7
Saskatchewan 3.5.6

Landscape horticulture
Nova Scotia
Agricultural 7

Mechanized agriculture
Saskatchewan 6

Microbiologie agricole
Laval 1.3

Nutritional sciences
British Columbia 6
McGill 6

Plant anatomy
Guelph 1.3

Plant ecology
Guelph 1.3
Saskatchewan 1.3.5.6

Plant genetics
Guelph 1.3

Plant morphology
Guelph 1.3

Plant pathology
Alberta 6
Guelph 1.3
McGill 1.3

Plant physiology
Carleton 1.3.6
Guelph 1.3
New Brunswick 1.3.6

Plant protection
Alberta 6
Guelph 1.3.6
Nova Scotia
Agricultural 6

Plant science
Alberta 1.3.6
British Columbia 1.3.6
Guelph 1.3.6
Manitoba 1.3.6
McGill 1.3.6
New Brunswick 1.3.6
Nova Scotia
Agricultural 6.7

Plant science and plant biotechnology
Guelph 1.3.6

Plant taxonomy
Guelph 1.3

Poultry genetics
Guelph 1.3

Poultry science
Alberta 6
Guelph 1.3.6
Saskatchewan 1.3.5.6

Renewable resources
McGill 1.3.6

Resource conservation
McGill 6

Resource economics and rural development
Guelph 1.3.6
New Brunswick 3

Resources management
British Columbia 1.3
Guelph 6

Rural economy
Alberta 1.3.6

Sciences agronomiques
Laval 1.3.6

Soil science
Alberta 1.3.6
British Columbia 1.3.6
Guelph 1.3.6
Manitoba 1.3.6
McGill 6
Nova Scotia
Agricultural 6
Saskatchewan 1.3.5.6

Sols
Laval 1.3

Weed science
Guelph 1.3

Wildlife resources
British Columbia 1.3.6
McGill 1.3.6
New Brunswick 3.6

Zoological sciences
McGill 6
New Brunswick 6

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
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Zootechnie
Laval 1.3

Anthropology/ Anthropologie

African studies and anthropology
Toronto 6

Anthropologie
Laurentienne 6
Laval 1.3.6.9.10
Montréal 1.3.6.9.10
Saint-Boniface 6

Anthropology
Alberta 1.3.6
Brandon 6
British Columbia 1.3.6
Calgary 3.6
Campion 6
Carleton 3.6
Concordia (PQ) 6.10
Dalhousie 6
King's (ON) 6
Lakehead 6
Laurentian 6
Lethbridge 6
Luther 6
Manitoba 1.3.6
McGill 1.3.6
McMaster 1.3.6
Memorial 3.6
Mount Saint Vincent 6
New Brunswick 3.6
Prince Edward Island 6
Regina 6
St. Francis Xavier 6
St. Jerome's 6
Saint Mary's 6
St. Thomas 6
St. Thomas More 6
Saskatchewan 3.5
SIFC 6
Simon Fraser 1.3.6.9.10
Toronto 1.3.6
Trent 3.6
Victoria (BC) 3.6
Waterloo 6.10
Western Ontario 3.6
Wilfrid Laurier 6
Windsor 6
Winnipeg 6
York 6

Anthropology (linguistics specialization)
Toronto 1.3.6
Trent 6
Western Ontario 6

Anthropology (linguistics specialization) and psychology
Western Ontario 6

Anthropology and archaeology
British Columbia 1.3.6
Memorial 6.9.10
Saskatchewan 6
Wilfrid Laurier 6

Anthropology and boreal studies
Lakehead 6

Anthropology and Canadian studies
Simon Fraser 6.9

Anthropology and Latin American studies
Simon Fraser 6.9

Anthropology and sociology
Cape Breton 6.7
Carleton 6
Concordia (PQ) 6
Guelph 6
Lakehead 6
Memorial 6.9
Mount Allison 6
Prince Edward Island 6
Simon Fraser 6.9
Toronto 6
Windsor 6

Applied anthropology
Memorial 6.9.10

Archaeology
British Columbia 1.3.6
Brock 9
Calgary 1.3.6
Memorial 3.6.9.10
St. Thomas More 6
Simon Fraser 1.3.6.9.10
Toronto 1.3.6
Trent 3
Wilfrid Laurier 6
Winnipeg 6

Archéologie
UQAC 8
UQAM 10

Archéologie classique
Laval 1.3.6.10
Ottawa 3

Art et archéologie classique
Ottawa 6

Classical archaeology
Alberta 1.3.6
Brock 9
Ottawa 3
Wilfrid Laurier 6

Classical art and archaeology
Ottawa 6

Classical history and archaeology
Calgary 6
Lethbridge 6
Ottawa 1.3.6

Cross cultural studies and linguistics
Trinity Western 6

Egyptian archaeology
Toronto 1.3

Folklore-English language program
Memorial 1.3.6.9.10

Folklore canadien-français
Sudbury 10

Geo-archaeology
Lakehead 6

Muséologie
Laval 5
Montréal 3
Saint-Boniface 6
UQAM 3

Museology
New Brunswick 3
Winnipeg 6

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Museum studies
Cape Breton 6
Toronto 3
Victoria (BC) 7

Near Eastern archaeology
Toronto 1.3
Wilfrid Laurier 6

Paleontology
Toronto 6

Physical anthropology
Memorial 6.9.10
Toronto 1.3.6
Winnipeg 6

Prehistoric
Wilfrid Laurier 6
Winnipeg 6

Prehistoric archaeology
Toronto 6

Social and cultural anthropology
Toronto 1.3.6

Social policy issues
Simon Fraser 5

Sociological anthropology
Dalhousie 3.6
Memorial 6.9.10
Toronto 1.3.6
York 1.3

Syro-Palestinian archaeology
Toronto 1.3

West Asian archaeology
Toronto 1.3

Architecture/ Architecture

Affordable homes
McGill 3

Architectural conservation
Victoria (BC) 7

Architectural design
McGill 3

Architectural science
Ryerson 6

Architecture-English language program
British Columbia 3.6
Calgary 3
Carleton 6
Manitoba 3
McGill 3.6
Technical University 3.6
Toronto 3.6
Waterloo 6

Architecture-programme en langue française
Laval 3.6
Montréal 6

Architecture and art history
Carleton 6

Architecture de paysage
Montréal 3.6

City planning
Manitoba 3

Design d'intérieur
Montreal 10

Design industriel
Montréal 6

History theory
McGill 3

Industrial design
Alberta 6
Calgary 3
Carleton 6

Interior design
Manitoba 6
Ryerson 6

Landscape architectural technology
Ryerson 7

Landscape architecture
British Columbia 6
Guelph 3.6
Manitoba 3
Toronto 6

Minimum cost housing
McGill 3.5

Planning
Calgary 3
Toronto 3
Waterloo 1.3.6

Area studies/ Etudes géopolitiques

African studies
Carleton 6
Dalhousie 6
King's (NS) 6
McGill 6
Toronto 6
York 6

American studies
Carleton 6
Mount Allison 6
New Brunswick 3
Toronto 6

Asian studies
British Columbia 1.3.6
Brock 6
Carleton 6
McMaster 6
New Brunswick 9
Saint Mary's 6
Windsor 6

Assyriology
Toronto 6

Atlantic Canada studies
Memorial 10
New Brunswick 7.9.10
Saint Mary's 6

British Columbia studies
Simon Fraser 10

Canadian and European community studies
Brock 6

Canadian heritage and development studies
Trent 3

Canadian Northern studies
Carleton 3
McGill 5

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
7. Undergraduate diploma or certificate 8. Special certificate 9. Major or diploma 10. Minor or certificate

Canadian plains area studies
Campion 6
Luther 6
Regina 3.6
SIFC 6

Canadian studies
Acadia 6
Alberta 6
Athabasca 6.9
Bishop's 6
Brandon 6
Brock 6
Calgary 6
Carleton 3.6
CMR de Saint-Jean 6
Concordia (PQ) 6.10
Dalhousie 6
Guelph 6
King's (NS) 6
Lakehead 9
Laurentian 6
Lethbridge 6
Manitoba 6
McGill 6
McMaster 6
Memorial 6.9.10
Mount Allison 6
Mount Saint Vincent 6
Ottawa 6
Prince Edward Island 6
Queen's 6
St. Francis Xavier 6
Saint Mary's 6
Simon Fraser 6.9.10
Toronto 6
Trent 6.8
Waterloo 10
Wilfrid Laurier 6
Windsor 6
Winnipeg 6
York 6

Caribbean and Latin American studies
McGill 6

Celtic studies
Cape Breton 6
St. Francis Xavier 3.6
Toronto 6

Chinese studies
British Columbia 1.3.6
Simon Fraser 10
Toronto 1.2.3.6
Victoria (BC) 6

Commonwealth studies
Queen's 6

Community studies
Cape Breton 6

Cree studies
Regina 9.10

Czech and Slovak studies
Toronto 6

Dakota studies
Regina 9.10

Dene studies
Regina 9.10

East Asian studies
Alberta 6
British Columbia 6
McGill 6
Toronto 1.2.3.6
York 6

East European studies
Alberta 1.3.6
Carleton 3.6
Manitoba 6
Toronto 1.3.5.6

Egyptology
Toronto 6

Etudes africaines
Laval 10
Montréal 5

Etudes américaines contemporaines
UQAM 5

Etudes arabes
Montréal 10

Etudes autochtones
Laval 10

Etudes canadiennes
CMR de Saint-Jean 6
Laurentienne 6
Ottawa 6
Sainte-Anne 6
York 6

Etudes est-asiatiques
Montréal 9.10

Etudes françaises et québécoises
Bishop's 6

Etudes hispaniques
Montréal 3.6.9.10
York 6

Etudes italiennes
Montréal 10

Etudes latino-américaines
Montréal 10

Etudes néo-helléniques
Montréal 10
Etudes québécoises
Montréal 10
UQTR 1.3

Etudes russes
Montréal 3

Etudes russes et soviétiques
Montréal 10

French Canadian studies
Campion 6
Carleton 3
McGill 6.10
Regina 9.10
Simon Fraser 10
York 6

General studies
Athabasca 6
British Columbia 6
Brock 6
Lakehead 6
Simon Fraser 6
Trinity Western 6

German area studies
British Columbia 1.3.6
Brock 6
Campion 6
Manitoba 3.6
Memorial 6
Regina 9.10
Toronto 6

Greek studies
Campion 6
Memorial 6.9.10

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Regina 9.10
Toronto 6

Hebrew studies
Regina 9.10

Hellenistic Near Eastern studies
Toronto 6

Hispanic studies
British Columbia 1.3
McGill 3.6
Toronto 6
Trent 6
Victoria (BC) 6

Humanistic studies
McGill 6

Humanities studies
Brock 6
Memorial 3
Trinity Western 6
Wilfrid Laurier 6

Hungarian studies
Toronto 6

Icelandic studies
Manitoba 3.6

Indian studies
Campion 6
Regina 6
SIFC 6

Indigenous peoples
McMaster 6.10

Islamic studies
McGill 1.3

Italian studies
Campion 6
King's (ON) 6
Toronto 6

Integrated studies
Brock 6

International studies
Acadia 6
Carleton 6
Dalhousie 6
St. Thomas More 6
Saskatchewan 6
Toronto 1.3.6
Waterloo 10

Japanese studies
British Columbia 1.3.6
Toronto 1.2.3.6
Windsor 7

Jewish studies
McGill 3.6
Manitoba 6
Toronto 6

Judaic studies
Manitoba 6
McMaster 6

Korean studies
Toronto 6

Latin studies
Memorial 6 9.10
Regina 9.10

Latin-American and Caribbean studies
McGill 6
York 5.6

Latin-American studies
Queen's 6
Regina 9.10
Simon Fraser 6.9.10
Toronto 6
Waterloo 10
Windsor 6

Liberal studies
Brock 6

Middle East and Islamic studies
Toronto 1.3.6

Middle East studies
McGill 6
Waterloo 10

Modern European studies
Carleton 6

Nakota studies
Regina 9.10

Native studies
Alberta 6
Brandon 6
Campion 6
Cape Breton 6
Carleton 3
Laurentian 6
Lethbridge 6
Luther 6
Manitoba 6
Regina 6
St. Thomas 6
Saskatchewan 3.5.6
SIFC 6
Sudbury 6
Toronto 6
Trent 6.7

Near Eastern studies
Manitoba 6
St. Thomas More 6
Saskatchewan 6
Toronto 1.2.3.6

Newfoundland studies
Memorial 10

North American studies
McGill 6
New Brunswick 3

Ojibway studies
Regina 9.10

Pacific studies
Victoria (BC) 6

Russian studies
Brock 6
Dalhousie 6
King's (NS) 6
Laurentian 6
Memorial 6.9.10
Regina 9.10
Toronto 6

Russian and East European studies
Toronto 3.5.6

Russian and Slavic studies
British Columbia 1.3.6
McGill 1.3.6
Waterloo 3.6.10

Scottish studies
Guelph 1.3

Slavic area studies
Alberta 1.3.6

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
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British Columbia 3.6
Manitoba 3.6

Southeast Asian studies
British Columbia 6

South Asian studies
British Columbia 6
Toronto 1.3.6

Soviet and East European studies
Alberta 1.3.6
Carleton 3.6
Manitoba 6

Third World studies
Carleton 3.6
New Brunswick 9
Wilfrid Laurier 6

Ukrainian Canadian heritage studies
Manitoba 6

Ukrainian studies
Manitoba 3.6
Regina 9.10
Western Ontario 6

Western literature and civilization
Western Ontario 6

Western society and culture
Concordia (PQ) 6

Art/Art

Art-English language program
Acadia 6
Alberta 3.6
Bishop's 6
Brock 6
Calgary 3.6
Campion 6
Guelph 6
Lakehead 6
Lethbridge 6
Luther 6.7
Manitoba 6.7
McMaster 6
Memorial 6
Mount Allison 6
NSCAD
Ottawa 6
Regina 3.6
St. Francis Xavier 6
St. Thomas More 6
Saskatchewan 3.5.6
SIFC 6
Trinity Western 10
Victoria (BC) 3.6
Waterloo 1.3.6.10
Western Ontario 6
Wilfrid Laurier 6
Windsor 3.6
York 3.6

Art as applied to medicine
Toronto 6

Art conservation
Queen's 3

Art et traditions populaires
Laval 1.3.9.10
Sudbury 10

Art history
Alberta 3.6
British Columbia 1.3.5.6
Calgary 6
Campion 6
Carleton 6
Concordia (PQ) 3.6.10
Guelph 6
Lethbridge 6
Luther 6.7
Manitoba 6
McGill 1.3.6
McMaster 6
Mount Allison 6
New Brunswick 3
NSCAD 10
Queen's 3.6
Regina 6
St. Thomas More 6
Saskatchewan 6
SIFC 6
Toronto 1.2.3.6
Victoria (BC) 3.6
Waterloo 6.10
Western Ontario 6
Windsor 3.6
Winnipeg 6
York 3.6

Art history and studio art
Acadia 6
Bishop's 6
Concordia (PQ) 6.10
Guelph 6
McMaster 6
NSCAD 6
Redeemer 6
Toronto 6
Waterloo 6.10
York 3.6

Art therapy
Concordia (PQ) 3.5
Western Ontario 7

Arts d'impression
UQAM 8

Arts et sciences
Montréal 10

Arts of East Asia
York 3.6

Arts plastiques
Laval 6.10
Montréal 10
Ottawa 6
UQAT 8
UQAC 3
UQAH 6.8
UQAM 3.6.8
UQTR 6

Arts visuels
Laval 6.10
Moncton 6.8
Ottawa 6
UQAC 6.8.9

Ceramics
Concordia (PQ) 6
Lethbridge 6
Manitoba 6.7
NSCAD 3.6.7
Regina 3
Saskatchewan 6

Classical art
Ottawa 6
York 3.6

Communication graphique
Laval 6

Explication des numéros
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Créativité: fondements et méthodes
Montréal 10

Cultural conservation
Victoria (BC) 7

Cultural studies
Trent 6

Design
Alberta 3.6
Concordia (PQ) 6
NSCAD 6.7
St. Paul's 6
York 3.6

Design art
Concordia (PQ) 6

Design graphique
UQAM 6

Drawing
Guelph 6
Lethbridge 6
Manitoba 6.7
Mount Allison 6
NSCAD 3.6.7
Regina 3
St. Thomas More 6
Saskatchewan 3.5.6
SIFC 6
Windsor 3.6
York 3.6

Etudes des arts
UQAM 3

Expression artistique
Sherbrooke 10

Fashion
Ryerson 6

Fibres
Concordia (PQ) 6

Fine arts
Acadia 6
Bishop's 6
Brock 6
Guelph 6
Lakehead 6
Lethbridge 6
Manitoba 6.7
Mount Allison 6
Memorial 6
NSCAD 3.6.7
Ottawa 6
Queen's 6
Redeemer 6
Regina 3
St. Paul's 6
Simon Fraser 3.6.9.10
Toronto 6
Trinity Western 6
Waterloo 6.10
Western Ontario 6
Wilfrid Laurier 6
Windsor 3.6
York 3

Graphic design
NSCAD 6.7
York 6

Graphics
NSCAD 6.7
Regina 3
York 3.6

Histoire de l'art
Laval 3.6.9.10
Montréal 3.6.9.10
UQAM 6

History in art
Victoria (BC) 3.6

History of art
Lethbridge 6
Manitoba 6
Toronto 1.2.3.6
York 3.6

Indian art
Campion 6
Regina 6
SIFC 6

Interrelated arts
Brock 6
Concordia (PQ) 6

Multi-media arts
NSCAD 3.6.7
Windsor 3.6
York 6

Painting
Alberta 3.6
Guelph 6
Lethbridge 6
Manitoba 6.7
Mount Allison 6
NSCAD 3.6.7
Regina 3
St. Thomas More 6
Saskatchewan 3.5.6
SIFC 6
Victoria (BC) 3.6
Windsor 3.6
York 3

Painting and drawing
Concordia (PQ) 6

Peinture
UQAM 8

Photographie
Ottawa 6

Photography
Concordia (PQ) 6.10
Mount Allison 6
NSCAD 3.6.7
Ottawa 6
Ryerson 6
St. Thomas More 6
Saskatchewan 3.5.6
Victoria (BC) 3.6
York 3.6

Printmaking
Alberta 3.6
Campion 6
Concordia (PQ) 6
Guelph 6
Luther 6
Manitoba 6.7
Mount Allison 6
NSCAD 3.6.7
Regina 6
St. Thomas More 6
Saskatchewan 3.5.6
SIFC 6
Victoria (BC) 3.6
Windsor 3.6
York 3.6

Sculpture-English language program
Alberta 3.6
Concordia (PQ) 6
Guelph 6
Lethbridge 6
Mount Allison 6

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree 7. Undergraduate diploma or certificate 8. Special certificate 9. Major or diploma 10. Minor or certificate

NSCAD 3.6.7
Regina 3
St. Thomas More 6
Saskatchewan 3.5.6
SIFC 6
Victoria (BC) 6
Windsor 3.6
York 3

Sculpture-programme en langue française
UQAM 8

Studio art
British Columbia 3.6
Campion 6
Concordia (PQ) 3.6
Guelph 6
Lethbridge 6
McMaster 6
Mount Allison 6
NSCAD 3.6.7
Ottawa 6
Regina 6
St. Thomas More 6
Saskatchewan 3.5.6
SIFC 6
Toronto 6
Waterloo 6.10
Western Ontario 6
Windsor 3.6
York 3.6

Theatre arts
Memorial 6.9

Théorie et histoire de l'art
Ottawa 6
UQAC 8

Theory and history of art
Ottawa 6

Visual and performing arts of East Asia
Toronto 6
York 3.6

Visual arts
Alberta 3.6
Brock 6
Campion 6.8
Lakehead 6
Luther 6.8
Memorial 6.9
NSCAD 3.6.7
Ottawa 6
Regina 3.6.8
SIFC 6.8
Simon Fraser 6.9
Victoria (BC) 3.6
Western Ontario 6
Windsor 3.6
York 3.6

Visual arts and communication studies
Brock 6
NSCAD 6.7
Windsor 6

Visual communication design
Alberta 3.6
NSCAD 6.7

Women and the fine arts
Concordia (PQ) 10

Biological sciences/ Biologie

Anatomie
Ottawa 1.3

Anatomy
Alberta 1.3
British Columbia 1.3
Dalhousie 1.3
Guelph 6
McGill 1.3.6
Ottawa 1.3
Queen's 1.3
St. Thomas More 6
Saskatchewan 1.3.5.6
Toronto 1.3.6
Western Ontario 1.3

Animal behavior
Carleton 1.3.6
New Brunswick 1.3
Toronto 6

Animal biology
British Columbia 6
Carleton 1.3.6
New Brunswick 1.3

Animal physiology and biochemistry
Ottawa 1.3

Aquacultural science
British Columbia 6
New Brunswick 6

Aquaculture
Simon Fraser 3

Biogeography
Toronto 6

Biologie
Laval 1.3.6
Moncton 3.6
Ottawa 1.3.6
Sherbrooke 1.3.6.10
UQAC 6
UQAM 3.6
UQAR 6
UQTR 6
Saint-Boniface 6
St. Paul's 10

Biologie cellulaire et moléculaire
Laval 1.3
Ottawa 1.3
Sherbrooke 1.3

Biologie médicale
UQTR 6.8

Biologie moléculaire
Montréal 1.3

Biology
Acadia 3.6
Alberta 1.3.6
Bishop's 3.6
British Columbia 1.3.6
Brock 3.6
Calgary 1.3.6
Campion 6
Camrose Lutheran 6
Cape Breton 6.7
Carleton 1.3.6
Concordia (AB) 6.10
Concordia (PQ) 3.6.10
Dalhousie 1.3.6
Guelph 6
King's (AB) 6
King's (NS) 6
Lakehead 3.6
Laurentian 3.6
Lethbridge 6
Luther 6
McGill 1.3.6

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

McMaster 1.3.6
Memorial 1.3.6.9.10
Mount Allison 3.6
Mount Saint Vincent 6
New Brunswick 1.3.6
Ottawa 1.3.6
Prince Edward Island 6
Queen's 1.3.6
Redeemer 6
Regina 1.3.6
St. Francis Xavier 3.6
Saint Mary's 6
St. Thomas More 6
Saskatchewan 1.3.5.6
SIFC 6
Simon Fraser 1.3.6.9.10
Toronto 6
Trent 6
Trinity Western 6
Victoria (BC) 1.3.6
Waterloo 1.3.6
Western Ontario 6
Wilfrid Laurier 6
Windsor 1.3.6
Winnipeg 6
York 1.3.6

Biology - economics
New Brunswick 6

Biology - Mathematics/ statistics
New Brunswick 6

Biology and chemistry
Western Ontario 6

Biology and earth sciences
Memorial 6.9

Biology and environment and resource studies
Waterloo 6

Biology and geography
Waterloo 6

Biology and mathematics
Toronto 6

Biology and physics
Toronto 6

Biology and psychology
Carleton 6
King's (NS) 6
McMaster 6
Mount Allison 6
New Brunswick 6

Biology and statistics
Memorial 6.9

Biology/Business economics
Waterloo 6

Biopsychology
Memorial 3

Biotechnologie
Sherbrooke 6

Biotechnology
Alberta 6
Carleton 6
Guelph 6
McGill 10
Toronto 1.3
Waterloo 10

Biotechnology and genetic engineering
Carleton 6
McMaster 6

Botany
Acadia 3.6
Alberta 1.3.6
Brandon 6
British Columbia 1.3
Calgary 1.3.6
Guelph 1.3.6
Manitoba 1.3.6
New Brunswick 1.3.6
Regina 1.3
Toronto 1.3.6
Victoria (BC) 6
Windsor 1.3.6

Cell and developmental biology
British Columbia 6
New Brunswick 1.3
Victoria (BC) 1.3.6
Windsor 1.3.6

Cell and molecular biology
Brock 3
Carleton 6
New Brunswick 1.3.6
Ottawa 1.3
Windsor 1.3.6

Cell biology
British Columbia 6
Dalhousie 1.3.6
King's (NS) 6
McMaster 6
Western Ontario 6
Windsor 1.3.6

Cell biology and physiology
Alberta 1.3.6
Windsor 1.3.6

Cell biology/microbiology
Carleton 6
King's (NS) 6
Memorial 6.9
Windsor 1.3.6

Cell biology/microbiology and biochemistry
Memorial 6.9

Cellular and microbial biology
Calgary 1.3.6
Windsor 1.3.6

Cellular and molecular biology
Simon Fraser 6

Developmental biology
British Columbia 6
Dalhousie 1.3.6
King's (NS) 6
New Brunswick 1.3
Windsor 1.3.6

Ecology/Evolution
British Columbia 6
Calgary 1.3.6
Memorial 6.9
Windsor 1.3.6

Ecology, systematics and behavior
Ottawa 1.3

Ecotoxicology
Concordia (PQ) 5

Entomology
Alberta 1.3.6
Guelph 1.3.6
New Brunswick 1.3.6

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
7. Undergraduate diploma or certificate 8. Special certificate 9. Major or diploma 10. Minor or certificate

Entomology/Parasitology
Memorial 6.9

Environmental biology
Brock 3
Dalhousie 1.3.6
Guelph 1.3.6
King's (NS) 6
New Brunswick 1.3
Ottawa 6
Windsor 1.3.6

Environmental toxicology
Simon Fraser 5.10

Fisheries biology
Dalhousie 5
Guelph 1.3.6
New Brunswick 1.3

Freshwater science
Trent 3

Functional biology
Victoria (BC) 6
Windsor 1.3.6

General science
British Columbia 6
Brock 6
Cape Breton 6
Guelph 6
Lakehead 6
Laurentian 6
Lethbridge 6
McMaster 6
New Brunswick 6
Ottawa 6
Redeemer 6
Waterloo 6
Wilfrid Laurier 6
Windsor 6

Genetic counselling
McGill 3.5

Genetics
Alberta 1.3.6
British Columbia 1.3.6
Dalhousie 1.3.6
Guelph 1.3.6
King's (NS) 6
New Brunswick 1.3.6
Regina 1.3
Toronto 1.3
Western Ontario 6

Histology
Dalhousie 1.3.6

Human biology
Guelph 3.6
Toronto 6

Human physiology
Ottawa 6

Immunology
Alberta 1.3
Guelph 1.3.5
Ottawa 1.3
Toronto 1.3.6

Introduction aux biotechnologies
Montréal 10

Laboratory science technology
Campion 6
Luther 6.8
Regina 6
SIFC 6.8

Liberal science
Laurentian 6
Waterloo 6.10

Life sciences
McMaster 6
Ottawa 6
Queen's 6

Marine biology
British Columbia 6
Dalhousie 1.3.6
Guelph 1.3.6
King's (NS) 6
Memorial 1.3.6.9
New Brunswick 1.3.6
Victoria (BC) 1.3.6

Microbial biology
Dalhousie 1.3.6
Windsor 1.3.6

Microbiologie
Laval 1.3.6
Ottawa 1.3
Saint-Boniface 9.10
Sherbrooke 1.3.6

Microbiology
Acadia 3
Alberta 1.3.6
British Columbia 1.3.6
Campion 6
Carleton 6
Dalhousie 1.3.6
Guelph 1.3.6
King's (NS) 6
Luther 6
Manitoba 1.3.6
New Brunswick 1.3
Ottawa 1.3
Queen's 1.3.6
Regina 1.3.6
St. Thomas More 6
Saskatchewan 1.3.5.6
SIFC 6
Toronto 1.3.6
Victoria (BC) 1.3.6
Windsor 1.3.6

Microbiology and immunology
McGill 1.3.6
Ottawa 1.3
Western Ontario 1.3.6

Molecular biology
Dalhousie 1.3.6
Guelph 1.3
King's (NS) 6
New Brunswick 1.3.6
Toronto 1.3.6
Windsor 1.3.6
Winnipeg 6

Molecular biology and biotechnology
McMaster 6

Molecular genetics and molecular biology
Guelph 1.3.6
Toronto 6
Windsor 1.3.6

Natural sciences
Bishop's 3.6
Lakehead 6
Redeemer 6
Trinity Western 6
York 6

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Neurobiology and comparative physiology
New Brunswick 1.3

Neuroscience
Brock 6
Carleton 1.3.6
King's (NS) 6
Toronto 1.3

Paleobiology
Saskatchewan 6

Parasitology
Guelph 1.3
McGill 1.3
New Brunswick 1.3.6

Pest management
Simon Fraser 3

Physiologie
Laval 1.3
Ottawa 1.3.6
Sherbrooke 1.3

Physiology
Alberta 1.3.6
British Columbia 1.3.6
Carleton 6
Dalhousie 1.3
Guelph 1.3
Manitoba 1.3
McGill 1.3.6
New Brunswick 3.6
Ottawa 1.3.6
Queen's 1.3.6
St. Thomas More 6
Saskatchewan 1.3.5.6
Toronto 1.3.6
Western Ontario 1.3.6

Plant and animal morphology
New Brunswick 1.3.6
Victoria (BC) 1.3.6
Windsor 1.3.6

Plant and animal physiology
New Brunswick 1.3.6
Victoria (BC) 1.3.6
Windsor 1.3.6

Plant sciences
Alberta 1.3.6
Guelph 6
McGill 1.3.6
Ottawa 1.3
Western Ontario 1.3.6
Windsor 1.3.6

Sciences biologiques
Montréal 1.3.6.9.10

Sciences naturelles
York 6

Science, technology and society
Windsor 6

Systematic biology
Ottawa 6
Victoria (BC) 1.3.6

Terrestrial and freshwater ecology
New Brunswick 1.3.6
Victoria (BC) 1.3.6
Windsor 1.3.6

Virology
McMaster 1.3
Ottawa 1.3

Watershed ecology
Lethbridge 9
Trent 3

Wildlife biology
Acadia 3.6
British Columbia 1
Guelph 1.3.6
New Brunswick 3.6

Wildlife resources
McGill 1.3.6
New Brunswick 3.6

Zoologie
Saint-Boniface 9.10

Zoology
Acadia 3.6
Alberta 1.3.6
Brandon 6
British Columbia 1.3.6
Calgary 1.3.6
Carleton 1.3.6
Guelph 1.3.6
Manitoba 1.3.6
New Brunswick 1.3.6
Regina 1.3
Toronto 1.3.6
Victoria (BC) 6
Western Ontario 1.3.6
Winnipeg 6

Business administration, public administration, commerce/ Administration des affaires, administration publique, commerce

Accounting
Acadia 6
Alberta 6
Athabasca 7
Bishop's 6
British Columbia 1.3.6
Brock 6
Calgary 1.3.6
Cape Breton 6
Carleton 6
Concordia (PQ) 5.6.10
Dalhousie 6
Lakehead 6
Lethbridge 9
Manitoba 3.6
McGill 6.7
McMaster 6
Mount Allison 6
Mount Saint Vincent 6
New Brunswick 3.4.6
Ottawa 3.6
Regina 6.7.8
Ryerson 6
St. Francis Xavier 6
Saint Mary's 6
Saskatchewan 3.5.6
SIFC 10
Simon Fraser 3.6
Toronto 3
Waterloo 1.3.6
Wilfrid Laurier 6.7
Windsor 3.6
York 3.6

Accounting and finance
Memorial 3.6

Accounting technology
Cape Breton 7

Actuarial science
Lakehead 6

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
7. Undergraduate diploma or certificate 8. Special certificate 9. Major or diploma 10. Minor or certificate

Toronto 6
Waterloo 3.6

Administration-bilingual program/programme bilingue
CMR de Saint-Jean 6
Concordia (PQ) 1
McGill 1
Ottawa 3.5.6

Administration-English language program
Acadia 6
Alberta 1.3.6
Athabasca 6.7
Brescia 6
Brock 6
Concordia (PQ) 1.3
Dalhousie 3
Huron 6
King's (ON) 6
McGill 1
New Brunswick 3.5.6.8
Ottawa 3.5.6
Regina 3.6.7
Toronto 6
Trent 6
Waterloo 6
Wilfrid Laurier 3.6.7
Windsor 3.6.7
Winnipeg 6

Administration-programme en langue française
Laval 1.3.5.6.10
Montréal 1
Ottawa 3.5.6
Sainte-Anne 6.7
Sherbrooke 3.5.10
UQAC 6.8
UQAH 6.8
UQAM 1.6.8
UQAR 6.8
UQAT 6.8
UQTR 6.8

Administration correctionnelle
Ottawa 3

Administration des affaires
Hautes Etudes Commerciales 1.3.6
Laurentienne 6
Laval 6
Moncton 3.6
Montréal 3.6
Ottawa 3.5.7
Sainte-Anne 6.7
Sherbrooke 3.6.10
UQAM 3

Administration des coopératives
Laurentienne 6

Administration de services
UQAH 8
UQAM 8

Administration des services de santé
Montréal 1.3
Ottawa 3

Administration des services publics
UQAM 8

Administration des sports
Laurentienne 6
Ottawa 3

Administration du personnel
Moncton 8

Administration générale
Ottawa 5.6

Administration internationale
Québec, ENAP 5

Administration of homes for the aged
McMaster 8

Administration publique
Moncton 3.7.8
Ottawa 3.6.7
Québec, ENAP 3.5

Administrative and commercial studies
Brescia 6
Huron 6
King's (ON) 6
Western Ontario 6

Administrative management
Concordia (PQ) 6.10
McMaster 8

Administrative office management studies
Brescia 6

Administrative studies
Brock 6
Laurentian 6
Ottawa 3.5
Trent 6
Windsor 3.6
York 6

Administrative studies and economics
Brock 6

Administrative studies and politics
Brock 6

Advanced technology management
British Columbia 3

Affaires immobilières
UQAM 8

Analyse et gestion urbaines
Québec, ENAP 3
Québec, INRS 3
UQAM 3

Analyse financière
UQAM 8

Applied real estate
McGill 7

Applied studies
Waterloo 6

Arts and media administration
York 3

Arts management and administration
Ottawa 7
Waterloo 6

Assurance de personnes
UQAC 8
UQAM 8
UQTR 8

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Banking studies
Regina 8

Business
Concordia (AB) 10
King's (AB) 7
Lakehead 6
Ottawa 3.5
Redeemer 6
Toronto 10

Business administration
Acadia 6
Alberta 1.3.6
Athabasca 6.7.9
Bishop's 6
Brandon 6
British Columbia 1.3.6
Brock 6
Calgary 1.3
Cape Breton 6
Concordia (PQ) 3
Dalhousie 3.6
Guelph 6
Lakehead 6
Laurentian 3.5
Manitoba 3.6
McGill 3
McMaster 1.3.6.8
Memorial 3.7.10
Mount Saint Vincent 6.7.8
New Brunswick 3.5.6.7
Ottawa 3.6.8
Prince Edward Island 6
Queen's 1.3.5
Regina 6
St. Francis Xavier 6
Saint Mary's 3.6
St. Paul's 6
Saskatchewan 3.5.8
SIFC 10
Simon Fraser 3.6.9.10
Toronto 1.3.9
Trinity Western 6
Victoria (BC) 6
Waterloo 6
Western Ontario 1.3.5.6
Wilfrid Laurier 3.6.7
Windsor 3.6.7
York 1.3.6

Business administration (executive option)
Concordia (PQ) 3

Business administration (science option)
St. Francis Xavier 6
Wilfrid Laurier 6

Business administration and communication
Simon Fraser 6.9

Business administration and economics
Brock 6
New Brunswick 6
St. Francis Xavier 6
Simon Fraser 6.9
Wilfrid Laurier 6
Windsor 6

Business administration and political science
Simon Fraser 6.9

Business administration and psychology
Simon Fraser 6.9

Business administration technology
Cape Breton 7

Business education-trust
McMaster 8

Business information systems
Carleton 3

Business management
Ryerson 6

Business organization and management technology
Cape Breton 7

Business statistics
Concordia (PQ) 6.10

Business studies
Brock 6
Concordia (PQ) 10
Ottawa 3.5

Business support systems and economics
Ryerson 6

Canadian public policy and administration
Guelph 6.8

Chartered accounting
McGill 5
Waterloo 3.6
Wilfrid Laurier 7.9

Commerce-English language program
Alberta 1.3.6
British Columbia 6
Calgary 6
Carleton 6
Dalhousie 6
Lakehead 6
Laurentian 6
Manitoba 6
McGill 3.6
McMaster 6
Memorial 3.6.8.10
Mount Allison 6
Ottawa 6
Queen's 6
Royal Military 6
Saint Mary's 6
Saskatchewan 6
Toronto 6
Trinity 6
Windsor 3.6.7

Commerce-programme en langue française
Laurentienne 6
Moncton 6
Ottawa 6

Commerce and economics
McMaster 6
Windsor 6

Commerce and East Asian studies
Toronto 6

Commerce and finance
Toronto 6

Community health management
Ottawa 3
Toronto 3

Comptabilité
Hautes Etudes Commerciales 3.10

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
7. Undergraduate diploma or certificate 8. Special certificate 9. Major or diploma 10. Minor or certificate

Laval 4.10
Moncton 6.8
Montréal 10
Ottawa 3.6
Sherbrooke 6

Comptabilité de gestion
Sherbrooke 10

Comptabilité de management
UQAM 6

Comptabilité financière
Sherbrooke 10

Comptabilité générale
UQAH 8
UQAM 8

Comptabilité professionnelle
Hautes Etudes
Commerciales 6
Sherbrooke 10

Computer business information systems
Ryerson 6

Contrôle de la gestion
Montréal 3

Correctional administration
Ottawa 3

Credit union studies
McMaster 8

Development studies
Carleton 3
Ottawa 3
Toronto 3
Trent 6

Economie appliquée
Hautes Etudes Commerciales 3.6

Economie et gestion des systèmes de petites et moyennes dimensions
UQTR 3

Educational administration
Acadia 3
Regina 5.6
Windsor 3

Entrepreneurial studies
Lakehead 10
York 3

Entrepreneurship
Hautes Etudes
Commerciales 6
Lakehead 10
McGill 6
New Brunswick 3

Entrepreneurship and new venture development
Calgary 3
Lakehead 10

Entrepreneurship and small business management
Concordia (PQ) 10

Etudes coopératives
Laurentienne 8
Moncton 8

Finance-English language program
Acadia 6
Alberta 6
Bishop's 6
British Columbia 1.3.6
Brock 6
Calgary 1.3.6
Carleton 3.6
Concordia (PQ) 6.10
Dalhousie 6
Lakehead 6
Lethbridge 9
Manitoba 3.6
McGill 6
Memorial 3.6
New Brunswick 3.6
Ottawa 3.6
Regina 6.8
Saint Mary's 6
Saskatchewan 6
Simon Fraser 3.6
Toronto 1.3.6
Wilfrid Laurier 6
Windsor 3.6
York 1.3.6

Finance-programme en langue française
Hautes Etudes
Commerciales 3.6
Moncton 6.8
Montréal 3
Ottawa 3.6
Sherbrooke 6

Financial accounting
Brock 6
Memorial 3.6
Mount Allison 6
New Brunswick 6
York 3

Fiscalité
Sherbrooke 3

Food services
McGill 6
Memorial 6

Foremanship
McMaster 8

General administration
Brock 6
Concordia (PQ) 6

General business
Brock 6
Cape Breton 6
Lethbridge 9
Manitoba 3.6
Saint Mary's 6
Saskatchewan 6

Gestion bancaire
Montréal 5

Gestion de la construction
Québec, ETS 8

Gestion de la main-d'oeuvre
Laval 10

Gestion de l'information et des systèmes
Sherbrooke 6

Gestion d'entreprises
Hautes Etudes
Commerciales 10
Montréal 10

Gestion d'entreprises pétrolières
Hautes Etudes
Commerciales 5
Montréal 5

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1re cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Gestion d'entretien
UQAC 8

Gestion de projet
Montréal 3
UQAT 3
UQAC 3
UQAH 3
UQAM 3
UQAR 3
UQTR 3

Gestion de projets d'ingénierie et d'aménagement
Hautes Etudes Commerciales 5
Montréal 5

Gestion des affaires
Ottawa 3.5

Gestion des coopératives
Montréal 10

Gestion des opérations
UQAT 8

Gestion des opérations-informatique de gestion
Moncton 8

Gestion des opérations et de la production
Hautes Etudes Commerciales 10
Montréal 3.10

Gestion des pêches
Moncton 6

Gestion des petites et moyennes entreprises
Montréal 3

Gestion des petites et moyennes organisations
UQAT 3
UQAC 3

Gestion des relations du travail
UQAM 8

Gestion des ressources humaines
Hautes Etudes Commerciales 3.6.10
Montréal 3.10
Ottawa 3.5.6
Sherbrooke 6.10
UQAC 8
UQAM 8
UQAR 8
UQTR 8

Gestion des ressources maritimes
UQAR 3

Gestion des services municipaux
UQAM 8

Gestion d'organismes culturels
Hautes Etudes Commerciales 5
Montréal 5

Gestion du marketing
Hautes Etudes Commerciales 10
Montréal 10
Sherbrooke 10

Gestion du personnel
UQAM 8

Gestion du travail de bureau
Québec, Télé-université 8

Gestion et développement des coopératives
Sherbrooke 3.5

Gestion et intervention touristiques
UQAM 6

Gestion et prospective du travail
Québec, Télé-université 8

Gestion financière
Hautes Etudes Commerciales 10
Montréal 10

Gestion informatisée
UQAM 8
UQAR 8

Gestion internationale
Hautes Etudes Commerciales 3
Montréal 3
Ottawa 3

Gestion policière
UQTR 8

Graphic communications management
Ryerson 6

Health and social services management
McGill 7

Health care administration
Saskatchewan 6

Health services administration
Alberta 3.5
Athabasca 7
British Columbia 3
Dalhousie 3
Ottawa 3
Toronto 1.3

Hospital administration
Ottawa 3

Hospitality administration technology
Cape Breton 7

Hospital and health care administration
Saskatchewan 8

Hospitality and tourism management
Calgary 1.3.6
Mount Saint Vincent 6
Ryerson 6

Hotel and food administration
Guelph 6
Mount Saint Vincent 6

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree 7. Undergraduate diploma or certificate 8. Special certificate 9. Major or diploma 10. Minor or certificate

Human resources development
McMaster 8

Human resources management
Bishop's 6
Brock 6
Carleton 6
Concordia (PQ) 6
Guelph 8
Lethbridge 9
McGill 7
New Brunswick 3.6
Ottawa 3.5.6
Ryerson 6
Saint Mary's 6
Saskatchewan 6
Simon Fraser 3

Indian management and administration
Lethbridge 9
Regina 6.9.10
SIFC 10

Industrial administration
British Columbia 6

Industrial management
McMaster 8

Industrial relations
Alberta 6
British Columbia 1.3.6
Concordia (PQ) 6
Manitoba 3.6
McGill 6
McMaster 8
Memorial 3.6
New Brunswick 6
Ottawa 7
Queen's 3
Toronto 1.3
York 1.3.6

Information and management systems
Carleton 3.6
Memorial 3.6
Toronto 3

Information systems
Ottawa 3

Informatique de gestion
Moncton 6
Sherbrooke 6

Institutional administration
Concordia (PQ) 5

Institutional food service management
Guelph 6
Mount Saint Vincent 6

Insurance studies
McMaster 8

International business
British Columbia 3.6
Carleton 6
Concordia (PQ) 6.10
Dalhousie 3
McGill 6
New Brunswick 3
York 3

International management
Ottawa 3

Labor relations
Athabasca 7
Lethbridge 9
Manitoba 6
McMaster 8
Windsor 7

Labor-management relations
McGill 6
Toronto 6

Labor studies
Toronto 6

Management
Acadia 6
British Columbia 1.3
Brock 6
Calgary 6
Carleton 3.6
Dalhousie 3.6
Lakehead 6
Lethbridge 6
Manitoba 8
McGill 1.5.7
Memorial 3.6
Moncton 6.8.10
Montréal 3
Mount Saint Vincent 6
New Brunswick 3.6
Ottawa 3.5.6
Queen's 1
Regina 3
St. Francis Xavier 6
Saint Mary's 6
Saskatchewan 3.6
Sherbrooke 6
Toronto 1.3
Waterloo 1.3.6.10
Windsor 3.6
York 3.6

Management-programme en langue française
Hautes Etudes Commerciales 3

Management accounting
Dalhousie 3.6
New Brunswick 6
Waterloo 3.6
York 3

Management and administration
Brock 6
McMaster 8

Management and entreprise development
Ryerson 6

Management and industry in business
Guelph 6

Management des services publics régionaux
UQAH 5

Management economics
Guelph 6

Management et politique publics
Ottawa 6

Management information systems
British Columbia 1.3.6
Calgary 1.3.6
Carleton 3.6
Concordia (PQ) 6.10
Lakehead 6
Lethbridge 9

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Manitoba 6
McGill 6
Memorial 3.6
New Brunswick 3.6
St. Francis Xavier 6
York 3

Management of organizations and human resources
Calgary 1.3.6
Lethbridge 9
Memorial 3.6

Management of public institutions
Calgary 1.3
Management policy
McGill 6
York 1

Management science and systems
Alberta 6
Bishop's 6
McMaster 1.3
Memorial 3.6
Simon Fraser 3.6

Management sciences
McGill 6
New Brunswick 3.6
Waterloo 1.3.10

Management technology
Cape Breton 7

Managerial economics
Alberta 6

Marine resources management
Dalhousie 5

Marketing-English language program
Acadia 6
Alberta 6
Bishop's 6
British Columbia 1.3.6
Brock 6
Calgary 1.3.6
Carleton 3.6
Concordia (PQ) 6.10
Dalhousie 6
Guelph 6
Lakehead 6
Lethbridge 9
Manitoba 3.6
McGill 6.7
McMaster 6
Memorial 3.6
Mount Allison 6
New Brunswick 3.6
Ottawa 3.6
Saint Mary's 6
Saskatchewan 6
Simon Fraser 3.6
Toronto 1
Wilfrid Laurier 6
Windsor 3.6
York 1.3.6

Marketing-programme en langue française
Hautes Etudes Commerciales 3.6
Moncton 6.8
Montréal 3
Ottawa 3.6
Sherbrooke 6
UQAM 8

Marketing management
Ryerson 6

Marketing research
Concordia (PQ) 10

Marketing technology
Cape Breton 7

Méthodes quantitatives
Moncton 6

Méthodes quantitatives de gestion
Hautes Etudes Commerciales 6

Municipal administration
McMaster 8
Memorial 7.10

Natural resources management
Lakehead 3.6
Simon Fraser 3
Toronto 3

Operations management
Calgary 1.3.6
Memorial 3.6
Toronto 1

Operations research
Carleton 3.6
Concordia (PQ) 6.10
Dalhousie 3
Manitoba 3.6
Ottawa 3
Waterloo 6

Organisation des soins de santé
Montréal 1
Ottawa 3

Organizational and career development
Windsor 7

Organizational behavior
Athabasca 6.9
Simon Fraser 3.6
Toronto 1

Organizational behavior and personnel
McGill 6

Organizational behavior/industrial relations
Alberta 6
Manitoba 6
York 1.3.6

Organizational theory and behavior
Alberta 6
British Columbia 1.3
Brock 6
Dalhousie 6
Lethbridge 9
Memorial 3.6
New Brunswick 3.6
Toronto 1.3
York 1.3.6

Personnel administration
Brock 6
Guelph 8
Lakehead 6
Memorial 3.6
Waterloo 10

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
7. Undergraduate diploma or certificate 8. Special certificate 9. Major or diploma 10. Minor or certificate

Personnel and industrial relations
Lakehead 6
McMaster 6
Saint Mary's 6
Toronto 10

Personnel management
Concordia (PQ) 10
Lethbridge 9
McMaster 8
Waterloo 6
Wilfrid Laurier 7

Petroleum land management
Calgary 6

Police administration
McMaster 8

Policy analysis
Simon Fraser 3.6

Production-English language program
Memorial 6

Production/Operations management
Concordia (PQ) 6.10
Manitoba 6

Project management
Calgary 1.3.5

Public accountancy
McGill 5

Public administration
Alberta 3
Athabasca 6.7.9
Brock 6
Carleton 3.5.6.8
Dalhousie 3.5.7
Laurentian 7
Memorial 7.10
New Brunswick 3.5.6.8
Ottawa 6.7
Prince Edward Island 7
Queen's 3
Regina 3.8
Ryerson 6.7
St. Paul's 6
St. Thomas More 6
Saskatchewan 6
Toronto 3.10
Trent 6
Victoria (BC) 3
Waterloo 6
Western Ontario 7
Windsor 6.7
Winnipeg 3
York 3

Public affairs
Manitoba 3

Public policy and administration
Concordia (PQ) 3
Trent 6
York 6

Public policy and public management
Ottawa 6

Public relations
McGill 7
Mount Saint Vincent 6
Regina 8

Public sector management
Carleton 3.5.6
Dalhousie 6
McGill 6
Regina 3
Victoria (BC) 7

Quantitative methods
Acadia 6
British Columbia 1.3.6
Brock 6
Carleton 3.6
Dalhousie 6
Manitoba 3.6
Memorial 3.6
New Brunswick 3.6
Saskatchewan 6

Recherche opérationnelle
Montréal 6
Ottawa 3
UQTR 6

Recreation administration
Alberta 3.6

Relations de travail
UQAT 8

Relations industrielles
Laval 1.3.6.9.10
Montréal 1.3.6.10
Ottawa 7
UQAH 3.6.8

Relations publiques
Montréal 10

Retail administration
McMaster 8

Santé et sécurité au travail
Montréal 10
Sherbrooke 10
UQAC 8
UQAH 8
UQAM 8
UQAR 8
UQAT 8
UQTR 8

Science and business
Waterloo 6

Sciences administratives
Hautes Etudes Commerciales 5
Montréal 5

Sciences comptables
UQAC 6.8
UQAH 6.8
UQAM 3.6.8
UQAR 8
UQAT 6.8
UQTR 6.8

Sciences de la gestion
Hautes Etudes Commerciales 3
Moncton 10
Montréal 3
Ottawa 6

Sécurité et hygiène industrielles
UQTR 3

Sports administration
Alberta 1.3.6
Cape Breton 6
Concordia (PQ) 5
Laurentian 6
Ottawa 3
York 8

Explication des numéros

1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Systèmes d'information
Hautes Etudes
Commerciales 3.6.10
Montréal 3.10
Ottawa 3.6

Tourism management
Lakehead 6
McGill 5

Transportation and distribution management
Concordia (PQ) 10

Transportation and utilities
British Columbia 6

Transportation management
McGill 7
New Brunswick 9
Toronto 1.3

Chemistry/Chimie

Analyse chimique
UQAM 8

Analyse chimique instrumentale
UQTR 8

Analytical and inorganic chemistry
Toronto 1.3

Analytical chemistry
Concordia (PQ) 6
New Brunswick 3
Toronto 1.3
York 1.3

Applied biochemistry
Guelph 6

Applied chemistry
Calgary 1.3.6
Carleton 1.3
Guelph 6
McMaster 6
New Brunswick 6
Toronto 1.3.6
Waterloo 6

Applied chemistry and biology
Ryerson 6

Applied electrochemistry
Ottawa 1.3

Applied organic chemistry
Toronto 1.3

Atmosphere science
York 1.3.6

Biochemistry
Acadia 3.6
Alberta 1.3.6
Bishop's 3.6
British Columbia 1.3.6
Brock 3.6
Calgary 1.3.6
Campion 6
Carleton 1.3.6
Concordia (PQ) 6
Dalhousie 1.3.6
Guelph 1.3.6
King's (NS) 6
Laurentian 6
Luther 6
Manitoba 1.3.6
McGill 1.3.6
McMaster 1.3.6
Memorial 1.3.6.9
Mount Allison 6
New Brunswick 1.3.6
Ottawa 1.3.6
Queen's 1.3.6
Regina 1.3.6
St. Thomas More 6
Saskatchewan 1.3.5.6
SIFC 6
Simon Fraser 1.3.6.9.10
Toronto 1.3.6
Trent 6
Victoria (BC) 1.3.6
Waterloo 6
Western Ontario 1.3.6
Windsor 6
York 1.3

Biochimie
Laval 1.3.6
Moncton 6
Montréal 6
Ottawa 1.3.6
Saint-Boniface 9.10
Sherbrooke 1.3.6
UQAM 6
UQTR 6

Chemical physics
Calgary 6
Guelph 6
McMaster 1.3
Ottawa 1.3
Simon Fraser 1.3.6.9
Toronto 6
Trent 6
York 1.3

Chemistry
Acadia 3.6
Alberta 1.3.6
Bishop's 3.6
Brandon 6
British Columbia 1.3.6
Brock 3.6
Calgary 1.3.6
Campion 6
Camrose Lutheran 6
Carleton 1.3.6
Concordia (AB) 10
Concordia (PQ) 1.6.10
Dalhousie 1.3.6
Guelph 1.3.6
King's (AB) 6
King's (NS) 6
Lakehead 3.6
Laurentian 3.6
Lethbridge 6
Luther 6
Manitoba 1.3.6
McGill 1.3.6
McMaster 1.3.6
Memorial 1.3.6.9.10
Mount Allison 3.6
Mount Saint Vincent 6
New Brunswick 1.3.6
Ottawa 1.3.6
Prince Edward Island 6
Queen's 1.3.6
Redeemer 6
Regina 1.3.6
Royal Military 3
St. Francis Xavier 3.6
Saint Mary's 6
St. Thomas More 6
Saskatchewan 1.3.5.6
SIFC 6
Simon Fraser 1.3.6.9.10
Toronto 1.3.6
Trent 3.6
Trinity Western 6
Victoria (BC) 1.3.6
Waterloo 1.3.6

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
7. Undergraduate diploma or certificate 8. Special certificate 9. Major or diploma 10. Minor or certificate

Western Ontario 1.3.6
Wilfrid Laurier 6
Windsor 1.3.5.6
Winnipeg 6
York 1.3.6

Chemistry, inorganic/analytical
Brock 9
McGill 6
Toronto 1.3

Chemistry, radioanalytical
McGill 6

Chemistry-geology
Brock 6
Carleton 6
Concordia (PQ) 6
McMaster 6
Memorial 6.9
New Brunswick 6
Toronto 6
Western Ontario 6

Chemistry and biochemistry
Concordia (PQ) 3
Memorial 6.9
Toronto 6

Chemistry and biological sciences
Brock 6
King's (NS) 6
McGill 6
New Brunswick 6
Ottawa 1.3
Wilfrid Laurier 6

Chemistry and environmental studies
Brock 6
Waterloo 6

Chemistry and environment and resource studies
Waterloo 6

Chemistry and mathematics
Brock 6
McGill 6
Mount Allison 6
New Brunswick 6
Waterloo 6

Chemistry and physics
Brock 6
Carleton 6
King's (NS) 6
Lakehead 6
McMaster 6
Memorial 6.9
New Brunswick 6
Waterloo 6

Chimie
Laval 1.3.6.9
Moncton 3.6
Montréal 1.3.6.9.10
Ottawa 1.3.6
Saint-Boniface 9.10
Sherbrooke 1.3.6.10
UQAC 6
UQAM 3.6
UQAR 6
UQTR 3.6

Chimie appliquée
Moncton 6

Chimie organique
Ottawa 1.3.6

Ecotoxicology
Concordia (PQ) 5

Electrochimie appliquée
Ottawa 1.3

Food chemistry
Guelph 1

General science
British Columbia 6
Lakehead 6
Laurentian 6
McMaster 6
New Brunswick 6
Ottawa 6
Waterloo 6
Wilfrid Laurier 6
Windsor 6

Geochemistry
McMaster 1

Inorganic chemistry
York 1.3

Inorganic/radiochemistry
Simon Fraser 10

Laboratory chemical aeronomy
York 1.3

Liberal science
Laurentian 6
Waterloo 6.10

Nuclear science
Simon Fraser 10

Organic chemistry
Brock 9
Ottawa 1.3.6
Simon Fraser 10
Toronto 1.3
York 1.3

Physical and theoretical chemistry
Brock 9
Ottawa 1.3.6
Toronto 1.3
York 1.3

Physical chemistry
Simon Fraser 10

Scientific measurement (chemistry)
Concordia (PQ) 10

Synthetic materials
Concordia (PQ) 6

Cinema/Cinéma

Cinema
Concordia (PQ) 10
Saint Paul 7
Toronto 6

Cinema (film animation option)
Concordia (PQ) 6

Cinema (film production option)
Concordia (PQ) 6

Cinema (film studies option)
Concordia (PQ) 6

Cinéma
Laval 10
Saint-Paul 7

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Cinéma et video
UQAC 8

Cinema studies and English
Toronto 6

Etudes cinématographiques
Montréal 3.9.10

Film-English language program
British Columbia 3.6.7
Brock 6
Campion 6
Carleton 6
Luther 6
Manitoba 6
Queen's 6
Regina 3.6
SIFC 6
Simon Fraser 6.9
Waterloo 6.10
Western Ontario 6

Film and television
British Columbia 7
York 6

Film and video
York 3.6

Film and video production
York 3.6

Film animation
Concordia (PQ) 10

Film production
British Columbia 3
Concordia (PQ) 6
Simon Fraser 6.9

Film studies
Concordia (PQ) 6.10

Initiation à la scénarisation cinématographique
UQAM 8

Screenwriting
York 3.6

Computer science/Informatique

Application de l'informatique
Ottawa 3
UQAC 8

Applied computer science
Ottawa 3
Ryerson 6
Simon Fraser 6.9

Artificial intelligence
Simon Fraser 6

Cognitive science
Queen's 6

Computation
McMaster 3

Computer-based information systems
Cape Breton 7
CMR de Saint-Jean 6
Concordia (PQ) 6
McGill 7
New Brunswick 3.6
Ottawa 3
Waterloo 6

Computer communications
Ottawa 1.3

Computer design and organization
Simon Fraser 6

Computer mathematics
Carleton 3.6
Ottawa 1.3
Simon Fraser 6

Computer programming
Carleton 3.6
Simon Fraser 6.10

Computer science
Acadia 3.6
Alberta 1.3.6
Bishop's 6.7
Brandon 6
British Columbia 1.3.6
Brock 6
Calgary 1.3.6
Campion 6.7
Camrose Lutheran 6
Carleton 1.3.6
CMR de Saint-Jean 6
Concordia (PQ) 1.3.5.6.10
Dalhousie 3.6
Guelph 3.6.8
King's (NS) 6
Lakehead 6
Laurentian 6
Lethbridge 6
Luther 6
Manitoba 1.3.6
McGill 1.3.6
McMaster 6
Memorial 3.6.9.10
Mount Allison 6
Mount Saint Vincent 6
New Brunswick 1.3.6
Ottawa 1.3.6
Redeemer 10
Regina 3.6.8.9
Royal Military 3
Royal Roads Military 6
St. Francis Xavier 6
St. Jerome's 6
St. Thomas More 6
Saskatchewan 1.3.5.6
SIFC 6.7
Simon Fraser 1.3.6.9.10
Technical University 1.3.6
Toronto 1.3.6
Trinity Western 10
Victoria (BC) 3.6
Waterloo 1.2.3.6
Western Ontario 1.3.6
Windsor 3.6
York 3.6

Computer science (digital systems option)
New Brunswick 1.3.6
Ottawa 1.3
Simon Fraser 6
Wilfrid Laurier 6
York 3.6

Computer science (general business option)
Brock 6
Carleton 6
Simon Fraser 6
Winnipeg 6

Computer science (general science option)
Carleton 6
Concordia (PQ) 6
Simon Fraser 6.9.10
Wilfrid Laurier 6

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
7. Undergraduate diploma or certificate 8. Special certificate 9. Major or diploma 10. Minor or certificate

Computer science (management)
CMR de Saint-Jean 6

Computer science (mathematics option)
Carleton 6
Lakehead 6
Ottawa 3
Simon Fraser 6.9

Computer science (operational research)
Carleton 6
CMR de Saint-Jean 3.6

Computer science (software systems option)
Concordia (PQ) 6

Computer science (systems architecture option)
Concordia (PQ) 6

Computer science (theoretical computer science option)
Concordia (PQ) 6

Computer science and actuarial science
Western Ontario 6

Computer science and applied mathematics
Western Ontario 6

Computer science and economics
Brock 6
McMaster 6
Toronto 6

Computer science and engineering
Waterloo 6

Computer science and geography
Memorial 3.6.9

Computer science and mathematics
British Columbia 6
Brock 6
King's (NS) 6
Lakehead 6
McMaster 6
Memorial 3.6.9
Simon Fraser 6.9.10
Toronto 6
Western Ontario 6
Windsor 6

Computer science and modelling methods
Mount Allison 6

Computer science and physics
British Columbia 6
Brock 6
Carleton 6
King's (NS) 6
Memorial 3.6.9
Simon Fraser 6.9.10
Toronto 6
Windsor 6

Computer science and statistics
King's (NS) 6
McMaster 6
Memorial 3.6.9
New Brunswick 1.3.6
Toronto 6
Western Ontario 6

Computer science for data management
Toronto 6

Computer science with economics
Western Ontario 6

Computer science with mathematics
Western Ontario 6

Computer science with philosophy
Western Ontario 6

Computer science with psychology
Western Ontario 6

Computing and computer electronics
Wilfrid Laurier 6

Computing and data processing
Regina 8
Toronto 1.3

Computing and information science
Guelph 6.8
Queen's 1.3.6
Simon Fraser 6.9
Windsor 6

Computing systems
Simon Fraser 6

Data analysis
New Brunswick 6

Data processing
Regina 10

Développement de logiciels
UQAM 8

Health information science
Victoria (BC) 6

Information
Simon Fraser 6

Information and management systems
Guelph 3
McMaster 1.6
Ottawa 6
St. Francis Xavier 6
Simon Fraser 6.10

Informatique
CMR de Saint-Jean 6
Laurentienne 6
Laval 3.6.10
Montréal 1.3.6.9.10
Ottawa 1.3.6
Sherbrooke 6
UQAH 6
UQAM 8
UQAR 8
UQTR 6.8
York 6

Informatique-mathématique
Laurentienne 6
Laval 6
Montréal 6
Ottawa 1.3

Explication des numéros

1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Informatique (recherche opérationnelle)
CMR de Saint-Jean 3.6
Ottawa 3

Informatique (systèmes)
CMR de Saint-Jean 6

Informatique appliquée
Moncton 6.10
Montréal 10
Ottawa 3

Informatique appliquée à l'éducation
Québec,
Télé-université 8

Informatique de génie
Laval 6

Informatique de gestion
CMR de Saint-Jean 6
Laval 6
Sherbrooke 6
UQAT 6.8
UQAC 6.8
UQAH 8
UQAM 3.6
UQTR 8

Micro-informatique
Québec, ETS 8
UQAH 8

Micro-informatique appliquée
Québec, ETS 8

Microcomputer series
McMaster 8

Production assistée par ordinateur
Québec, ETS 8

Programming languages and software
Simon Fraser 6

Systèmes d'information et de gestion
Ottawa 6

Theoretical computing science algorithms
Simon Fraser 6

Criminology/ Criminologie

Administration de la justice
Ottawa 3

Administration of justice
Ottawa 3

Correctional services
Ottawa 3

Corrections
McMaster 8

Crime and deviance
Toronto 6

Criminological theory and research
Ottawa 3

Criminologie
Montréal 1.3.6.9.10
Ottawa 3.6.7

Criminology
Alberta 6
Manitoba 6
Memorial 7
Ottawa 3.6.7
Saint Mary's 6.8
Simon Fraser 1.3.5.6.9.10
Toronto 1.3.6.8
Windsor 6

Criminology and criminal justice
Carleton 6
Windsor 7

Criminology and social justice
St. Thomas 10

Law enforcement and administration
Toronto 8

Law enforcement studies
Carleton 8

Police studies
Memorial 6

Services correctionnels
Ottawa 3

Théorie et recherche criminologiques
Ottawa 3

Dance/Danse

Contemporary dance
Concordia (PQ) 6

Dance
Alberta 6
British Columbia 6
Ryerson 7
Simon Fraser 6.9
Waterloo 6
Western Ontario 10
Winnipeg 6
York 3.6

Dance history and criticism
York 3.6

Danse
Montréal 10
UQAM 6

Dentistry/Art dentaire

Biologie dentaire
Montréal 3

Chirurgie dentaire
Laval 8

Dental hygiene
Alberta 7
Dalhousie 7
Manitoba 7
Toronto 6

Dental public health
Toronto 5

Dental surgery
Alberta 6
Manitoba 5
McGill 6
Toronto 6
Western Ontario 6

Dentistry
Alberta 1.3.5.6
British Columbia 3.6

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
7. Undergraduate diploma or certificate 8. Special certificate 9. Major or diploma 10. Minor or certificate

Dalhousie 6
Manitoba 1.3.5.6
Saskatchewan 6
Toronto 1.3.5.6
Western Ontario 6

Diagnosis and oral radiology
Alberta 3

Hygiène dentaire
Montréal 10

Médecine dentaire
Laval 6
Montréal 6

Oral and maxillofacial surgery and anesthesia
Toronto 5

Oral biology
Alberta 1.3
British Columbia 1
Dalhousie 6
Manitoba 1.3

Oral pathology
Toronto 5

Oral radiology
Toronto 5

Oral surgery
Alberta 3
Dalhousie 3
Manitoba 6

Orthodontics
Alberta 1.3.5
Dalhousie 8
Manitoba 3
Toronto 5
Western Ontario 3

Orthodontie
Montréal 3.5

Paedodontics
Alberta 3
Dalhousie 6
Toronto 5

Pédodontie
Montréal 5

Periodontics
Alberta 3
British Columbia 5
Dalhousie 5
Manitoba 5
Toronto 5

Prosthodontics
McGill 3
Manitoba 5
Toronto 5

Restorative dentistry
Alberta 3
Dalhousie 6

Earth sciences/ Sciences de la terre

Agrometeorology
Guelph 1.3

Applied earth science
Carleton 3.6
Waterloo 6

Applied geology
New Brunswick 1.3.6

Biology/Sedimentology
New Brunswick 1.3.6

Crystallography
McGill 3
McMaster 1.3

Earth and space science
York 1.3

Earth resources
Toronto 6

Earth sciences
Carleton 1.3.6
Dalhousie 1.3.6
Guelph 6
King's (NS) 6
Laurentian 6
Lethbridge 6
Manitoba 1.3.6
Memorial 1.3.6.9.10
Ottawa 1.3.6
Waterloo 1.3.6
York 6

Earth sciences (economics)
Waterloo 1.3.6

Earth sciences (geography)
Lethbridge 6
Waterloo 1.3.6

Earth sciences (geology)
Carleton 6
Memorial 1.3.6.9
Waterloo 1.3.6

Earth sciences (geophysics)
Manitoba 1.3.6
Memorial 1.3.6.9
Waterloo 1.3.6

Exploration geology
Alberta 5

Geochemistry
McMaster 1
Ottawa 1.3

Géodésie
Laval 1.3.6

Geodesy
New Brunswick 1.3
Ryerson 6.7

Geological sciences
Brock 3.6
Manitoba 1.3.6
McGill 1.3.5.6
Ottawa 1.3

Géologie
Laval 1.3.6
Montréal 1.3.6.9.10
Ottawa 1.3.6
UQAC 6
UQAM 6

Géologie-physique
Ottawa 6

Géologie appliquée
UQAM 8

Geology
Acadia 3.6
Alberta 1.3.5.6
Brandon 6
British Columbia 1.3.6
Brock 3.6
Calgary 1.3.6
Campion 6
Carleton 1.3.6
Concordia (PQ) 6.10

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Dalhousie 1.3.6
King's (NS) 6
Lakehead 3.6
Laurentian 3.6
Lethbridge 6
Luther 6
Manitoba 1.3.6
McMaster 1.3.6
Memorial 1.3.6.9
Mount Allison 6
New Brunswick 1.3.6
Ottawa 1.3.6
Queen's 1.3.6
Regina 3.6
St. Francis Xavier 3.6
Saint Mary's 6
St. Thomas More 6
Saskatchewan 1.3.5.6
SIFC 6
Toronto 1.3.6
Western Ontario 1.3.6
Windsor 3.6

Geology-chemistry
Brock 6
Carleton 6
Concordia (PQ) 6
New Brunswick 6
Toronto 6

Geology-ecology
Concordia (PQ) 6

Geology-economics
New Brunswick 6

Geology-physics
Carleton 6
Concordia (PQ) 6
McMaster 6
New Brunswick 6
Ottawa 6
Saskatchewan 1.3.5.6
Toronto 6

Geology and geography
Western Ontario 6

Geology and zoology
Alberta 6

Geomathematics
Ottawa 1.3

Géomatique
Laval 6

Geomorphology
Alberta 3

Geophysics
Calgary 1.3.6
Memorial 1.3.6.9

Hydrogeology
Ottawa 1.3

Hydrology
British Columbia 1.3
Guelph 1.3
Lethbridge 9
New Brunswick 1.3

Materials science and engineering
McMaster 1.3.6
Toronto 6

Métallurgie
Laval 1.3

Metallurgy
British Columbia 1.3.6
McMaster 1.3.6
Toronto 1.3

Metallurgy and materials science
Toronto 1.3.6

Météorologie
UQAM 5

Meteorology
Alberta 6
British Columbia 7
Dalhousie 7
McGill 1.3.6.7
Toronto 3
York 8

Mineral resources technology
Cape Breton 7

Mining geology
Laurentian 6
Memorial 1.3.6.9

Pétrologie
Ottawa 1.3

Petrology
New Brunswick 1.3.6
Ottawa 1.3

Photogrammetry
New Brunswick 1.3

Precambrian geology
Carleton 1.3
Ottawa 1.3

Quaternary studies
Carleton 3
Ottawa 1.3
Simon Fraser 10

Remote sensing of earth resources
York 1.3

Resource analysis and land use
Concordia (PQ) 6

Resource geology
Carleton 1.3
Memorial 1.3.6.9
Ottawa 1.3

Ressources minérales
UQAC 1
UQAM 1

Ressources renouvelables
UQAC 3

Sciences de la terre
Ottawa 1.3.6
UQAC 3
UQAM 3

Sciences géodésiques
Laval 1.3
Montréal 10

Solid earth geophysics
McGill 6

Structure and geodynamics
Carleton 1.3
New Brunswick 1.3
Ottawa 1.3

Survey engineering
Ryerson 6

Terrain and environmental earth sciences
New Brunswick 1.3
Ottawa 1.3
Toronto 6

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
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Economics/ Sciences économiques

Applied economics
Manitoba 6
Waterloo 6

Business economics
British Columbia 6
Brock 6
Guelph 6
Lethbridge 6
St. Francis Xavier 6
York 6

Development studies
Calgary 6
Dalhousie 1.3
King's (NS) 6
Trent 6

Développement économique
Ottawa 1

Développement régional
Moncton 8

Economic development
Carleton 1
Dalhousie 1.3
Ottawa 1
Winnipeg 6

Economic history
British Columbia 6
Toronto 1.3.6

Economic theory
Dalhousie 1.3

Economics
Acadia 3.6
Alberta 1.3.6
Bishop's 3.6
Brandon 6
British Columbia 1.3.6
Brock 6
Calgary 1.3.6
Campion 6
Camrose Lutheran 6
Cape Breton 6
Carleton 1.3.6
Concordia (AB) 10
Concordia (PQ) 1.3.5.6.10
Dalhousie 1.3.6
Guelph 3.6
Huron 6
King's (NS) 6
King's (ON) 6
Lakehead 3.6
Laurentian 6
Lethbridge 6
Luther 6
Manitoba 1.3.6
McGill 1.3.6
McMaster 1.3.6
Memorial 6.9.10
Mount Allison 6
Mount Saint Vincent 6
New Brunswick 3.6
Ottawa 1.3.6
Prince Edward Island 6
Queen's 1.3.6
Regina 3.6
Royal Military 6
St. Francis Xavier 6
St. Jerome's 6
Saint Mary's 6
St. Paul's 9
St. Thomas 6
St. Thomas More 6
Saskatchewan 3.5.6
SIFC 6
Simon Fraser 1.3.6.9.10
Toronto 1.3.6
Trent 6
Trinity Western 10
Victoria (BC) 3.6
Waterloo 3.6.10
Western Ontario 1.3.6
Wilfrid Laurier 6
Windsor 3.6
Winnipeg 6
York 1.3.6

Economics-applied mathematics
Toronto 6
Wilfrid Laurier 6

Economics-business administration
Simon Fraser 6.9

Economics-computer science
Brock 6
McMaster 6
Toronto 6

Economics-geography
Brock 6
McMaster 6
Mount Allison 6
Toronto 6
Western Ontario 6

Economics-history
Toronto 1.3.6

Economics-mathematics
Alberta 6
Brock 6
McMaster 6
Mount Allison 6
Toronto 6
Western Ontario 6
Wilfrid Laurier 6

Economics-philosophy
Toronto 6

Economics-political science
Brock 6
McGill 6
McMaster 6
Mount Allison 6
Toronto 6

Economics-sociology
Toronto 6

Economics-statistics
Campion 6
Toronto 6
Western Ontario 6

Economics and commerce
Brock 6
Mount Allison 6
Royal Military 6
Toronto 6
Windsor 6

Economics and finance
McGill 6
Toronto 6
Wilfrid Laurier 6

Economics and labor studies
Brock 6

Economics and quantitative methods
Toronto 6

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Economics with actuarial science
Western Ontario 6

Economie appliquée
Montréal 3

Economie internationale
Ottawa 1

Economie monétaire
Ottawa 1

Economie publique
Ottawa 1

Economique
Saint-Boniface 9.10
Sherbrooke 3.6.10
UQAH 8
UQAM 3.6.8
UQAR 6
UQTR 6

Industrial organization
Carleton 1
Dalhousie 1.3
Ottawa 1

International economics
Carleton 1
McMaster 1
Ottawa 1

Labor economics
Dalhousie 1.3
Guelph 3

Monetary economics
Dalhousie 1.3
McMaster 1
Ottawa 1

Natural resources management
Guelph 6
Lakehead 6
Manitoba 3
Simon Fraser 3

Organisation industrielle
Ottawa 1

Political economy
Bishop's 6
Brock 6

Public economics
Carleton 1
Ottawa 1

Public finance
Dalhousie 1.3
Lethbridge 6
McMaster 1

Quantitative economics
McMaster 1

Regional studies
Dalhousie 1.3

Resource and environmental economics
Guelph 1.3

Sciences économiques
Laurentienne 6
Laval 1.3.6.9.10
Montréal 1.3.6.9.10
Moncton 3.6
Ottawa 1.3.6
York 6

Théorie sociale, politique et économique
York 6

Urban land economics
British Columbia 3.6

Education, educational technology/Education, technologie de l'enseignement

Activité physique, enseignement en
Ottawa 8
UQAM 6
UQTR 6

Adaptation scolaire, enseignement en
Sherbooke 6
UQAC 6.8
UQAR 6
UQTR 6

Adaptation scolaire et sociale, enseignement en
UQAM 6
UQAR 6

Administration, enseignement au secondaire
Ottawa 6

Administration, enseignement en
UQAC 6
UQAH 6
UQAR 6
UQAT 6
UQTR 6

Administration de l'éducation
Montréal 1.3.10

Administration et politique scolaires
Laval 1.3

Administration scolaire
Moncton 3
Ottawa 1.3
Saint-Boniface 3
Sherbrooke 3

Administrative leadership
Simon Fraser 3

Adult education
Alberta 3.6
British Columbia 3.5
Concordia (PQ) 5.6.10
Dalhousie 1.3
Guelph 3
McMaster 8
Memorial 8
New Brunswick 3
OISE 1.3.8
Ottawa 1.3.8
Regina 6
St. Francis Xavier 3.7
Saskatchewan 3.5
SIFC 8
Toronto 1.3
York 6

Adult education, development and training
McMaster 8
OISE 1.3.8

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
7. Undergraduate diploma or certificate 8. Special certificate 9. Major or diploma 10. Minor or certificate

Allemand, enseignement au secondaire
Laval 6

Alphabétisation
UQAM 8

Andragogie
Laval 10
Montréal 1.3.10
UQAC 8
UQAH 5
UQAR 8
UQAT 8

Anglais, enseignement au secondaire
Laval 6
Sherbrooke 6

Anglais langue seconde, enseignement de l'
Laval 6
Ottawa 8
Sherbrooke 10
UQAC 6
York 6

Applications pédagogiques de l'ordinateur
Montréal 10
Ottawa 8
Sherbrooke 10
UQAH 8
UQAM 8
UQAR 8
UQAT 8
UQTR 8

Aptitude pédagogique à l'enseignement au secondaire
Sherbrooke 10

Art, teaching of
Alberta 1.3.6
British Columbia 3.6
Calgary 3.6
Lethbridge 6
McGill 3.6.8
New Brunswick 3.6
NSCAD 3.6
Ottawa 6.8
Queen's 6
Regina 6
Saskatchewan 6
Victoria (BC) 3.6
York 6

Arts, enseignement des
Laval 10
UQAC 6

Arts dramatiques, enseignement des
Ottawa 6.8

Arts industriels, enseignement des
Ottawa 6

Arts plastiques, enseignement en
Laval 6
UQAC 6
UQTR 6

Arts visuels, enseignement des
Ottawa 6.8

Associate teacher
Ottawa 8
York 6

Audio-visual education
Alberta 1.3
Memorial 8

Bibliothéconomie pour enseignants
Ottawa 8

Biochemistry, teaching of
Waterloo 6

Biologie, enseignement au secondaire
Laval 6
Ottawa 6
Sherbrooke 6

Biologie, enseignement en
Ottawa 6
UQAC 6
UQAR 6
UQTR 6

Biology, teaching of
Alberta 1.3.6
British Columbia 6
Calgary 6
Lakehead 6
Lethbridge 6
McGill 3.6
Ottawa 6
St. Francis Xavier 3
Saskatchewan 6
Simon Fraser 6
Waterloo 6
York 6

Business education
Alberta 6
British Columbia 3.5.6
Lethbridge 6
Manitoba 6
New Brunswick 3.6.7
Regina 9
York 6

Canadian studies, teaching of
British Columbia 5
Simon Fraser 6

Catéchèse, enseignement à l'élémentaire
Ottawa 8

Catéchèse, enseignement au secondaire
Laval 6
Sherbrooke 6

Chemistry, teaching of
Alberta 1.3.6
British Columbia 6
Calgary 6
Lakehead 6
Lethbridge 6
McGill 3.6
Ottawa 6
St. Francis Xavier 3
Saskatchewan 6
Simon Fraser 6
Victoria (BC) 6
Waterloo 6
York 6

Child assessment and counselling
OISE 1.3
Ottawa 1.3
Toronto 5

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Child studies
Brock 6
Concordia (PQ) 3.6
Mount Saint Vincent 6
OISE 1.3
Ottawa 1.3

Chimie, enseignement au secondaire
Laval 6
Ottawa 6
Sainte-Anne 10
Sherbrooke 6

Chimie, enseignement en
UQAC 6
UQAR 6
UQTR 6

College teaching
New Brunswick 6
OISE 1.3.8

Commerce, enseignement au secondaire
Ottawa 6.8

Comparative education
British Columbia 3
McGill 3
OISE 1.3

Comptabilité, enseignement de la
Ottawa 6

Computational science, teaching of
Saskatchewan 6

Computer applications
OISE 1.3
Toronto 1.3

Computer applications in visual arts
NSCAD 6.7

Computer assisted instruction
OISE 1.3

Computer assisted learning
Concordia (PQ) 5
OISE 1.3

Computer science, teaching of
Alberta 1.3.6
British Columbia 5.6
Lethbridge 6
Ottawa 6
Simon Fraser 10
York 6

Computers in education
Lethbridge 9
OISE 1.3
Ottawa 8

Computers in the classroom
Lakehead 8
OISE 1.3
Ottawa 8
York 6

Continuing education
Regina 8
Saskatchewan 3.5

Co-operative education
Memorial 6
Mount Saint Vincent 6
Ottawa 8

Counselling
Acadia 3
Alberta 1.3.5
Lakehead 8
McGill 1.3
New Brunswick 3.9
OISE 1.3
Ottawa 1.3

Counselling psychology
British Columbia 1.3.5
Calgary 1.3.5
OISE 1.3
Ottawa 1.3

Counselling scolaire
Ottawa 1.3

Curriculum-human and social sciences
Manitoba 3
New Brunswick 3.6.9
OISE 1.3

Curriculum-mathematics and natural sciences
Manitoba 3
New Brunswick 3.6.9
OISE 1.3

Curriculum and instruction
Alberta 1.3.6
British Columbia 1.3.5.6
Brock 3.6
Calgary 1.3.5
Dalhousie 1.3
Lakehead 3
Lethbridge 6
Manitoba 3.6
Memorial 3
New Brunswick 3.6.9
OISE 1.3
Ottawa 1.3
Regina 3.5
St. Francis Xavier 3
Saint Mary's 3
Saskatchewan 1.3.5
Simon Fraser 3
Toronto 1.3
Victoria (BC) 3
Windsor 3

Curriculum and professional skills
Queen's 3

Curriculum et enseignement
Ottawa 1.3
Saint-Boniface 3.6

Dance education
Regina 6

Dance, teaching of
Simon Fraser 6

Développement de la pratique éducative
UQAT 8

Didactique
Laval 1.3.5
Montréal 1.3

Didactique des langues secondes
Laval 10
OISE 1.3
Ottawa 1.3.6.8
Sainte-Anne 8

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
7. Undergraduate diploma or certificate 8. Special certificate 9. Major or diploma 10. Minor or certificate

Didactique du français, langue maternelle
UQAC 5

Didactique d'une langue seconde (anglais au secondaire)
OISE 1.3

Drama in education
Calgary 6
Concordia (PQ) 6
New Brunswick 3.6.9
OISE 1.3
Victoria (BC) 6
Windsor 6

Dramatic arts, teaching of
Alberta 1.3.5.6
Lethbridge 6
Ottawa 6.8
Saskatchewan 6
York 6

Driver education instructor
Ottawa 8

Early childhood education
Alberta 6
British Columbia 6
Calgary 6
Concordia (PQ) 5.6
Guelph 10
Lethbridge 9
McGill 6
Mount Saint Vincent 6
New Brunswick 3.6.9
OISE 1.3
Regina 6
Ryerson 6
Simon Fraser 10
Toronto 5
Victoria (BC) 6

Earth sciences and space sciences, teaching of
British Columbia 6

Economics, teaching of
McGill 3.6

Economie familiale, enseignement au secondaire
Laval 6
Ottawa 6

Education-English language program
Acadia 3.6.7
Alberta 1.3.5.6
Bishop's 3.5
Brandon 6.8
British Columbia 1.3.6
Brock 3.6
Calgary 1.3.5.6
Concordia (PQ) 10
Dalhousie 1.3.6
Lakehead 3.6
Laurentian 6
Lethbridge 6
Manitoba 6
McGill 1.3.5.6.8
Memorial 3.5.6
Mount Allison 6
Mount Saint Vincent 3.5.6
New Brunswick 3.6.9
OISE 1.3
Ottawa 1.3.6
Prince Edward Island 6
Queen's 3.6
Regina 3.5.6
St. Francis Xavier 3.6
Saint Mary's 3.6
St. Thomas 6
Saskatchewan 1.3.5.6
SIFC 6
Simon Fraser 1.3.5.6.9.10
Toronto 1.3.6
Trent 6
Trinity Western 6
Victoria (BC) 1.3.6
Western Ontario 3.6
Windsor 3.6
Winnipeg 6
York 3.6

Education-programme en langue française
Alberta 6
British Columbia 6
Laurentienne 6
Laval 1.3.6.9.10
Moncton 3.6
Montréal 3.9
OISE 1.3
Ottawa 1.3.6
Regina 6
Sainte-Anne 6
Saint-Boniface 3.6
UQAC 1.3
UQAH 1.3
UQAM 3
UQAR 1.3
UQAT 1.3
UQTR 1.3

Education (générale)
Montréal 3

Education au préscolaire et enseignement au primaire
Laval 6
Montréal 10
Sherbrooke 3.6
UQAC 6
UQAH 6
UQAM 6
UQAR 6
UQAT 6
UQTR 6

Education comparée
Montréal 1.3

Education comparée et internationale
Montréal 5

Education coopérative au secondaire
Ottawa 8

Education de la prime enfance
Laval 10
UQAH 8

Education des adultes
Moncton 8
Ottawa 1.3.8
Sherbrooke 5

Education en milieu de garde
UQAM 8

Education familiale
Ottawa 8

Education interculturelle
UQAM 8

Education internationale et développement
Ottawa 1.3

Education musicale
Laval 6
UQTR 6

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Education physique, enseignement de l'
Laval 6
Moncton 6
Ottawa 6.8
Sherbrooke 6
UQAC 6

Education physique et hygiène, enseignement de l'
Ottawa 6.8

Education spéciale
Moncton 6.8
Ottawa 1.3

Education spécialisée
UQAH 3.5
Sherbrooke 3.5

Educational administration
Acadia 3
Alberta 1.3.5
Brandon 6
British Columbia 1.3
Brock 3
Calgary 1.3.5
Dalhousie 1.3
Lakehead 3
Lethbridge 6
McGill 3.5
Memorial 3.5
New Brunswick 3
OISE 1.3.8
Ottawa 1.3
Queen's 3
Regina 3.5
St. Francis Xavier 3
Saskatchewan 1.3.5
Simon Fraser 3
Toronto 1.3
Victoria (BC) 3
Western Ontario 3
Windsor 3

Educational administration and foundations
Manitoba 1.3
Memorial 3

Educational context
Queen's 3

Educational counselling
McGill 1.3
Memorial 3
New Brunswick 3.9
OISE 1.3
Ottawa 1.3
Regina 9

Educational foundations
Alberta 1.3.5
Brandon 6
British Columbia 1.3
Calgary 1.3.5
Dalhousie 1.3
Lethbridge 6
Memorial 3
New Brunswick 3
OISE 1.3
Ottawa 1.3
Regina 6
Saskatchewan 3.5

Educational planning
OISE 1.3

Educational policy and administrative studies
Acadia 6
Calgary 1.3.5
OISE 1.3

Educational psychology
Alberta 1.3.5
British Columbia 1.3.5
Calgary 1.3.5
Dalhousie 1.3
Manitoba 3
McGill 1.3
Memorial 3
Mount Saint Vincent 3
New Brunswick 3
OISE 1.3
Ottawa 1.3
Regina 5.6
Saskatchewan 3.5
Victoria (BC) 1.3

Educational studies
British Columbia 5
Calgary 6
Concordia (PQ) 3
Western Ontario 3

Educational technology
Alberta 3.5
British Columbia 3
Concordia (PQ) 1.3
McGill 8
OISE 1.3
Victoria (BC) 6

Educational theory
OISE 1.3.8

Elementary curriculum and instruction
Queen's 3

Elementary education
Acadia 6
Alberta 1.3.5.6
Brandon 6
British Columbia 6
Brock 6
Calgary 6
Lakehead 6
Laurentian 6
Lethbridge 6
Manitoba 6
McGill 3.5.6
Memorial 6
Mount Saint Vincent 6
New Brunswick 3.6.9
OISE 1.3
Ottawa 6.8
Prince Edward Island 6
Queen's 6
Redeemer 6
Regina 6
St. Francis Xavier 6
St. Thomas 6
Saskatchewan 6
SIFC 6
Simon Fraser 6
Toronto 6.8
Trent 6
Trinity Western 6
Victoria (BC) 6
Western Ontario 6
Windsor 3.6
Winnipeg 6
York 6

Enfance inadaptée, enseignement à l'
Ottawa 1.3.8
UQAT 6

English, teaching of
Alberta 3.6
British Columbia 6
Calgary 1.3.6
Lakehead 6

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
7. Undergraduate diploma or certificate 8. Special certificate 9. Major or diploma 10. Minor or certificate

Lethbridge 6
McGill 3.6
New Brunswick 3.6.9
Ottawa 6
Regina 6
St. Francis Xavier 3
Saskatchewan 6
Simon Fraser 6
Victoria (BC) 6
Western Ontario 6
York 6

English as a second language, teaching
Alberta 3.5
British Columbia 3.5.6
Brock 6
Calgary 5
Carleton 8
Concordia (PQ) 6.10
Lakehead 8
McGill 3.6.8
OISE 1.3
Ottawa 8
Toronto 8
Victoria (BC) 6.7
York 6

Enseignement collégial
Laval 10
Sherbrooke 10

Enseignement de la bureaucratique
Ottawa 6

Enseignement élémentaire
Alberta 6
Laurentienne 6
Laval 6.10
Moncton 6.8
Ottawa 6.8
Sainte-Anne 6
Saint-Boniface 6

Enseignement moral et religieux
UQAM 6

Enseignement préscolaire
Laval 6

Enseignement préscolaire-élémentaire
Moncton 6.8

Enseignement préscolaire et primaire
Laval 6
Sherbrooke 3.5.6

Enseignement professionnel
Laval 6.10
Sherbrooke 6
UQAH 6
UQAM 6
UQAR 6

Enseignement religieux
Ottawa 8
Sherbrooke 3

Enseignement secondaire
Alberta 6
Laval 6.10
Moncton 6
Ottawa 6.8
Sainte-Anne 6
Saint-Boniface 6
Sherbrooke 6.8

Enseignement secondaire et collégial
Montréal 10

Enseignement technologique et professionnel
UQAC 6

Environmental education
Simon Fraser 10

Espagnol, enseignement au secondaire
Laval 6
Ottawa 6

Etudes anglaises, enseignement en
Sainte-Anne 10
Sherbrooke 6
UQTR 6

Etudes françaises, enseignement en
Sainte-Anne 6
Sherbrooke 6
UQAC 6
UQTR 6

Exceptional child in family
Guelph 10

Exceptional children
Acadia 3.6
Alberta 1.3.5
Brandon 6
British Columbia 1.3.6
Lakehead 8
Lethbridge 6.7
Manitoba 3
New Brunswick 3.9
OISE 1.3
Ottawa 1.3
Saskatchewan 1.3.5
York 6.7

Exceptionality in human learning
OISE 1.3
Toronto 6

Expression dramatique, enseignement de l'
Montréal 10

Family studies, teaching of
York 6

Fondements de l'éducation
Montréal 1.3
Ottawa 1.3

Formateurs d'adultes en milieu scolaire
UQAM 8

Foundations of learning and teaching behavior
Brock 3

Français au primaire, enseignement du
UQAC 8
UQAH 8
UQTR 8

Français au secondaire, enseignement en
Ottawa 6
UQAC 8
UQAR 6

Français langue maternelle, enseignement au primaire
Laval 10
Montréal 10
Saint-Boniface 6
Sherbrooke 10

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Français langue maternelle, enseignement au secondaire
Laval 6.10
Ottawa 6
Sainte-Anne 6
Saint-Boniface 6

Français langue maternelle, enseignement du
Sainte-Anne 6
UQAM 6

Français langue seconde, enseignement du
Laval 10
Moncton 8
Ottawa 6.8
York 6

French as a second language, teaching of
Lakehead 8
McGill 3.6.8
New Brunswick 3.6.9
OISE 1.3
Ottawa 6.8
York 6

French as a second language to adults, teaching of
Concordia (PQ) 10

French, teaching of
Alberta 1.3.5.6
British Columbia 5.6
Calgary 6
Dalhousie 3
Lakehead 6
Lethbridge 6
New Brunswick 3.6.9
Saskatchewan 6
Simon Fraser 6
Victoria (BC) 6
Waterloo 6
Western Ontario 6
York 6

Géographie, enseignement au secondaire
Laval 6
Ottawa 6
Sherbrooke 6

Géographie, enseignement en
Ottawa 6
UQAC 6
UQAM 6
UQAR 6
UQTR 6

Geography, teaching of
British Columbia 6
Lakehead 6
Lethbridge 6
McGill 3.6
Ottawa 6
Simon Fraser 6
Victoria (BC) 6
Western Ontario 6
York 6

German, teaching of
Alberta 1.3.5.6
Saskatchewan 6

Grec, enseignement au secondaire
Laval 6

Guidance
British Columbia 5
Lakehead 8
New Brunswick 3.9
Ottawa 8
York 6

Guidance counselling
Lakehead 8
OISE 1.3
Ottawa 1.3
Western Ontario 3

Hearing impaired, education of
British Columbia 5

Heritage languages, teaching of
Saskatchewan 7

Higher education
OISE 1.3
Toronto 1.3

Histoire, enseignement au secondaire
Laval 6
Sainte-Anne 6.10
Sherbrooke 6

Histoire, enseignement en
Ottawa 6
UQAC 6
UQAM 6
UQAR 6
UQTR 6

History of education
British Columbia 3
McGill 3
OISE 1.3

History/Social studies
New Brunswick 3.6.9
Victoria (BC) 6

History, teaching of
Alberta 1.3.5.6
British Columbia 6
Calgary 6
Lakehead 6
Lethbridge 6
McGill 3.6
Ottawa 6
St. Francis Xavier 3
Saskatchewan 6
Simon Fraser 6
Victoria (BC) 6
Western Ontario 6
York 6

Home economics education
McGill 6
Mount Saint Vincent 3.6
New Brunswick 3.6.9

Home economics, teaching of
Acadia 6
Alberta 1.3.5.6
British Columbia 6
Manitoba 6
McGill 3
Mount Saint Vincent 3.6
New Brunswick 3.6.9
St. Francis Xavier 6
Saskatchewan 6
Western Ontario 6

Human learning
British Columbia 1.3
Ottawa 1.3

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
7. Undergraduate diploma or certificate 8. Special certificate 9. Major or diploma 10. Minor or certificate

Human relations and family life education
McGill 5

Immersion française, enseignement en
Sainte-Anne 6
Saint-Boniface 9

Indian education
Lethbridge 9
New Brunswick 6
Regina 6
SIFC 6.8.9.10

Indian and northern education
Saskatchewan 3.5.6

Industrial arts, teaching of
Alberta 3.5.6
British Columbia 3.5.6
Manitoba 6
Memorial 6.7
New Brunswick 3.6.9
Saskatchewan 6

Industriels, enseignement des
Moncton 6

Information scolaire et professionnelle
Laval 10
UQAM 6

Informations et orientation professionnelles
Sherbrooke 6

Informatique appliquée à l'enseignement
Ottawa 8

Informatique, enseignement de l'
Ottawa 6

Initiation à la technologie, enseignement de l'
UQAM 8

Instructeurs en milieu de travail
UQAM 8

Intégration de la recherche à la pratique éducative
UQAM 5

Instructional technology
Concordia (PQ) 5
OISE 1.3

Intercultural education
Alberta 1.3.6

Interdisciplinary education
Queen's 6

Intermediate/Senior teacher education
Brock 6
Lakehead 6
Ottawa 6.8
Queen's 6
Toronto 6
Trent 6
Western Ontario 6
York 6

International education and development
OISE 1.3
Ottawa 1.3

Intervention éducative en milieu familial et communautaire
UQAM 8

Intervention psycho-éducative
Montréal 10

Junior/Intermediate teacher education
Brock 6
Lakehead 6
Laurentian 6
Ottawa 6.8
Queen's 6
Toronto 6
Trent 6
Western Ontario 6
Windsor 6
York 6

Language and learning problems
York 3

Language arts, teaching of
Calgary 6
Lethbridge 6
Regina 6
SIFC 6
Victoria (BC) 3.6

Langue seconde, enseignement d'une
Laval 10
Ottawa 1.3.8
UQAR 8

Langues secondes, enseignement des
Ottawa 8
Sainte-Anne 6.10
UQAM 6.8
UQAT 8

Latin, enseignement au secondaire
Laval 6

Law-related education
British Columbia 5

Learning assistance
Victoria (BC) 9

Learning disabilities
Simon Fraser 10

Lecture à l'élémentaire et au secondaire
Ottawa 8

Librarianship
Lakehead 6
Memorial 8
Ottawa 8
Victoria (BC) 7
York 6

Library Science, teaching of
Alberta 5
British Columbia 5
Regina 6

Literacy instruction
Simon Fraser 10

Loisirs, enseignement des
Moncton 6

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Mathematics for teachers
Concordia (PQ) 10

Mathematics, teaching of
Alberta 1.3.5.6
British Columbia 1.3.5.6
Calgary 6
Concordia (PQ) 3.5
Lakehead 6
Lethbridge 6
McGill 3.6
New Brunswick 3.6.9
OISE 1.3
Ottawa 6
Regina 6
St. Francis Xavier 3
Saskatchewan 6
Simon Fraser 6
Victoria (BC) 3.6
Waterloo 6
Western Ontario 6
York 6

Mathematics and science education
British Columbia 5

Mathématiques, enseignement au primaire des
UQAR 8

Mathématiques, enseignement au secondaire des
Laval 6
Sainte-Anne 10
Sherbrooke 6

Mathématiques, enseignement des
Ottawa 6
UQAC 6
UQAM 6
UQAR 6
UQTR 6

Mathématiques et sciences, enseignement au primaire des
UQAM 8

Measurement and evaluation
Brandon 6
British Columbia 3
OISE 1.3
Ottawa 1.3
Toronto 1.3

Measurement and experimentation
OISE 1.3

Media
York 6

Mentally handicapped, education of
British Columbia 5

Mesure et évaluation
Laval 1.3
Ottawa 1.3

Mesure et évaluation en éducation
Montréal 1.3.10

Moniteur de conduite automobile
Ottawa 8

Moral and religious education
McGill 8
OISE 1.3

Morale et religion catholique au secondaire, enseignement de la
UQTR 6

Multicultural and minority education
British Columbia 5

Music, teaching of
Acadia 1.6
Alberta 1.3.5.6
Brandon 3.6
British Columbia 1.3.5.6
Calgary 3.6
Campion 6
Dalhousie 6
Luther 6
Manitoba 6
McMaster 6
Memorial 6
Mount Allison 6
New Brunswick 6
Ottawa 6.8
Prince Edward Island 6
Queen's 3
Regina 6
Saskatchewan 3.5.6
Victoria (BC) 3.6
Western Ontario 6
York 6

Musique, enseignement de la
Laval 6
Ottawa 6.8
UQTR 6

Musique instrumentale/vocale, enseignement de la
Ottawa 6.8

Native and northern education
McGill 8
Memorial 6.7
Saskatchewan 3.5.6

Native teacher training
British Columbia 6
Lakehead 6.7
Laurentian 8
Lethbridge 6
Memorial 6.7
New Brunswick 6
Regina 6
Saskatchewan 6
SIFC 6.8.9.10

Ordinateur en éducation,
Ottawa 1.3.8

Orientation-programme en langue française
Moncton 3
Ottawa 1.3.8
Sherbrooke 3.6

Orthopédagogie
Montréal 3.10
UQAH 6

Outdoor education
Queen's 6
Regina 6

Pédagogie
Sherbrooke 10

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
7. Undergraduate diploma or certificate 8. Special certificate 9. Major or diploma 10. Minor or certificate

Pédagogie des langues artistiques
UQAR 8

Pédagogie universitaire des sciences de la santé
Laval 3

Philosophy and history of education
Concordia (PQ) 3
OISE 1.3
Toronto 1.3

Philosophy of education
McGill 3

Physical and health education, teaching of
Alberta 1.3.5.6
New Brunswick 3.6.9
Ottawa 3.6.8

Physical education, teaching of
Acadia 6
Alberta 6
British Columbia 5.6
Calgary 6
Dalhousie 3.6
Lakehead 6
Lethbridge 6
McGill 3.6
Memorial 6
New Brunswick 3.6.9
Regina 6
St. Francis Xavier 6
Saskatchewan 6
Simon Fraser 10
Victoria (BC) 3.6
Western Ontario 6
York 6

Physical education for adolescents, teaching of
Calgary 6

Physical education for pre-adolescents, teaching of
Calgary 6

Physics, teaching of
Alberta 1.3.5.6
British Columbia 6
Calgary 6
Lakehead 6
Lethbridge 6
McGill 3.6
Ottawa 6
Saskatchewan 6
Simon Fraser 6
Victoria (BC) 6
Waterloo 6
Western Ontario 6
York 6

Physique, enseignement au secondaire de la
Laval 6
Ottawa 6
Sainte-Anne 10
Sherbrooke 6

Physique, enseignement en
UQAC 6
UQTR 6

Postsecondary technical vocational education
Saskatchewan 7

Preschool education
Calgary 6
Guelph 6
Lethbridge 6.7
Mount Saint Vincent 6
New Brunswick 3.6.9
OISE 1.3
Simon Fraser 6
Victoria (BC) 6

Préscolaire et au primaire en milieu nordique, enseignement au
UQAT 8

Prevention of early school failure
Western Ontario 7

Primaire, enseignement au
Ottawa 8
UQAM 3

Primary teacher education
British Columbia 5
Brock 6
Lakehead 6
Memorial 6
New Brunswick 3.6.9
Toronto 6
Windsor 6
York 6

Primary/Junior teacher education
Ottawa 6
Queen's 6
Toronto 6
Trent 6
Western Ontario 6

Professeur associé
Ottawa 8

Psycho-éducation
Montréal 3.6.9.10
Ottawa 1.3
Sherbrooke 3.6.10
UQAH 6
UQAT 6
UQTR 6

Psychologie éducationnelle
Ottawa 1.3
Saint-Boniface 3.6

Psychology, counselling
Simon Fraser 3

Psychology, instructional
Simon Fraser 3

Psychology, philosophy and history of education
Queen's 3

Psychology and education of the gifted
McGill 5
OISE 1.3
Ottawa 1.3

Psychopédagogie
Laval 1.3.5
Montréal 1.3
Ottawa 1.3

Psychopedagogy
Ottawa 1.3

Reading, teaching of
Alberta 1.3.5.6
British Columbia 1.3.5
Calgary 6
McGill 3.8
Mount Saint Vincent 3

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

New Brunswick 3.6.9
OISE 1.3
Ottawa 8
Regina 6
York 6

Rehabilitation education
Calgary 6

Religion, teaching of
McGill 6
Ottawa 8
Regina 6
St. Michael's 3
Saskatchewan 6
York 6

Remedial methodology
Victoria (BC) 6

School counselling
Acadia 3
Alberta 1.3.5.6
Calgary 1.3.5
McGill 1.3
Memorial 3
New Brunswick 3.9
OISE 1.3
Ottawa 1.3.8
Regina 3.5.6
SIFC 8
Victoria (BC) 3

School psychology
Mount Saint Vincent 3
OISE 1.3

School resource services
Memorial 7

Science, teaching of
Alberta 1.3.5.6
British Columbia 5
Calgary 6
Lakehead 6
Lethbridge 6
McMaster 3
New Brunswick 3.6.9
OISE 1.3
Ottawa 6.8
Regina 6
Saskatchewan 6
Victoria (BC) 3.6
Western Ontario 6
York 6

Science, teaching of (elementary school level)
Concordia (PQ) 10

Sciences de l'éducation
Laval 10
Ottawa 1.3
Sherbrooke 3
UQAC 8
UQAH 6.8
UQAM 8
UQAR 8
UQAT 8
UQTR 8

Sciences de l'orientation-programme en langue française
Laval 1.3.6

Sciences, enseignement en
Ottawa 6
Sainte-Anne 10
UQAM 6

Sciences familiales, enseignement des
Ottawa 6

Sciences religieuses, enseignement au secondaire des
Sherbrooke 6

Sciences religieuses, enseignement en
UQAC 6
UQAR 6

Second language teaching
Alberta 1.3.5.6
McGill 3.6.8
OISE 1.3
Ottawa 1.3.6
Western Ontario 7

Secondary curriculum and instruction
Queen's 3

Secondary education
Acadia 6
Alberta 1.3.5.6
Brandon 6
British Columbia 1.3.6
Brock 6
Calgary 6
Dalhousie 6
Lakehead 6
Lethbridge 6
Manitoba 6
McGill 3.5.6
Memorial 6
Mount Allison 6
New Brunswick 3.6.9
Ottawa 8
Prince Edward Island 6
Queen's 6
Redeemer 6
Regina 6
St. Francis Xavier 6
Saint Mary's 6
St. Thomas 6
Saskatchewan 6
Simon Fraser 6
Toronto 6
Trinity Western 6
Victoria (BC) 6
Western Ontario 6
Windsor 6
Winnipeg 6
York 6

Secondary reading
Victoria (BC) 3

Secrétariat, enseignement du
Ottawa 6.8

Social and behavioral foundations of education
Concordia (PQ) 3

Social studies, teaching of
Alberta 1.3.5.6
British Columbia 3.5.6
Calgary 6
Lethbridge 6
New Brunswick 3.6.9
Saskatchewan 6
Victoria (BC) 3.6
Sociology in education
British Columbia 3
OISE 1.3
Toronto 1.3

Sourds, enseignement aux
Moncton 3

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
7. Undergraduate diploma or certificate 8. Special certificate 9. Major or diploma 10. Minor or certificate

Space sciences and earth sciences, teaching of
British Columbia 6

Special classes
Victoria (BC) 6

Special education
Alberta 1.3.5.6
British Columbia 1.3.5.6
Calgary 1.3.5.6
Lakehead 8
McGill 3.8
Memorial 6
Mount Allison 10
New Brunswick 3.9
OISE 1.3
Ottawa 1.3
Regina 6
Toronto 1.3
York 6

Sports, enseignement des
Ottawa 6

Sports, teaching of
Memorial 6
Ottawa 6

Teacher education and supervision
Calgary 3.5
New Brunswick 6

Teaching (arts)
Lethbridge 6
McMaster 3
OISE 1.3

Teaching (science)
Lethbridge 6
McMaster 3
OISE 1.3

Technical studies
Queen's 6

Techniques commerciales et marchandes, enseignement des
Ottawa 6.8

Technologie de l'enseignement
Laval 1.3

Technologie éducationnelle
Montréal 1.3.10

Technologie éducative
Laval 10
UQAH 5

Testing and measurement
British Columbia 1.3
OISE 1.3
Ottawa 1.3

Theatre, teaching of
Simon Fraser 6

Theatre in education
Victoria (BC) 3.6

Ukrainian, teaching of
Alberta 3.5.6
Saskatchewan 6

Values education
British Columbia 5

Visual and performing arts, teaching of
British Columbia 5

Visual arts, teaching of
NSCAD 3.6
OISE 1.3
Ottawa 6
Regina 6
Simon Fraser 6
Western Ontario 6
York 6

Visually impaired, teaching of
British Columbia 5

Vocal music, teaching of
Memorial 6
Ottawa 8
Western Ontario 6

Vocational education
Alberta 3.5.6
McGill 3.6
Memorial 6.7
New Brunswick 3.6.9
Queen's 3.6.7
Regina 3.5.6
Saskatchewan 6
Toronto 9
Western Ontario 7

Young children, teaching of
British Columbia 5

Engineering/Génie

Advanced technology management
British Columbia 3

Aerodynamics and aircraft
British Columbia 6

Aeronautical engineering
Carleton 1.3

Aéronautique
Montréal 3
Polytechnique de Montréal 3.7

Aerospace engineering
Carleton 6
Ryerson 6

Aerospace science and engineering
Toronto 1.3.6

Agricultural engineering
Alberta 3.6
Guelph 1.3.6
Manitoba 1.3.6
McGill 1.3.6
Saskatchewan 1.3.5.6
Technical University 1.3.6

Applied sciences in medicine
Alberta 1.3

Assurance de la qualité
Québec, ETS 8

Automation engineering
Simon Fraser 6

Aviation
Trinity Western 7.10

Biochemical and food engineering
Toronto 1.3

Biochemical engineering
Western Ontario 1.3.6

Bioengineering
McMaster 1.3

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Biological engineering
Guelph 1.3.6

Biomaterials
Toronto 1.3

Biomedical engineering
McGill 1.3
McMaster 1.3
New Brunswick 1.3
Saskatchewan 1.3.5
Simon Fraser 6
Toronto 1.3

Bioresource engineering
British Columbia 3.6

Biotechnologie
Ottawa 6

Biotechnology
Ottawa 6

Building engineering
Concordia (PQ) 1.3.6

Ceramic engineering
McMaster 6
Toronto 1.3

Chemical analysis
Toronto 1.3

Chemical and materials engineering
Royal Military 3

Chemical and petroleum engineering
Calgary 1.3.6

Chemical engineering
Acadia 7
Alberta 1.3.6
British Columbia 1.3.6
Lakehead 6.7
Laurentian 8
McGill 1.3.6
McMaster 1.3.6
New Brunswick 1.3.6
Ottawa 1.3.6
Queen's 1.3.6
Regina 6
Royal Military 3
Ryerson 6
Saskatchewan 1.3.5.6
Technical University 1.3.6
Toronto 1.3.6
Waterloo 1.3.6
Western Ontario 1.3.6

Chemical engineering and management
McMaster 6
Ottawa 6

Chemical engineering technology
Cape Breton 7
Lakehead 7

Chemical process control engineering
Alberta 6

Chemical reactor design
Toronto 1.3

Civil engineering
Acadia 7
Alberta 1.3.6
British Columbia 1.3.6
Calgary 1.3.6
Carleton 1.3.6
Concordia (PQ) 1.3.6
Lakehead 6.7
Laurentian 8
Manitoba 1.3.6
McGill 1.3.6
Memorial 6
New Brunswick 1.3.6
Ottawa 1.3.6
Queen's 1.3.6
Regina 3.6
Royal Military 3.6
Ryerson 6
Saskatchewan 1.3.5.6
Technical University 1.3.6
Toronto 1.3.6
Waterloo 1.3.6
Western Ontario 1.3.6
Windsor 1.3.6

Civil engineering and computer systems
McMaster 6

Civil engineering and engineering mechanics
McMaster 1.3.6

Civil engineering and management
McMaster 6
Ottawa 6

Civil engineering technology
Cape Breton 7
Lakehead 7

Clinical biomedical engineering
New Brunswick 3
Toronto 3

Combustion engineering
Toronto 1.3

Communications and radar
Carleton 1.3

Communications engineering
Toronto 1.3

Composite materials
Toronto 1.3

Computer aided design
Carleton 1.3

Computer aided manufacturing
New Brunswick 1.3
Toronto 6

Computer engineering
Alberta 1.3.6
Carleton 1.3
Concordia (PQ) 6
Manitoba 1.3.6
McGill 6
McMaster 6
Ottawa 6
Royal Military 3.6
Simon Fraser 6
Toronto 1.3.6
Victoria (BC) 1.3.6
Waterloo 6

Computer engineering and management
McMaster 6

Computer systems engineering
Carleton 6

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
7. Undergraduate diploma or certificate 8. Special certificate 9. Major or diploma 10. Minor or certificate

Construction civile
Polytechnique de
Montréal 7

Construction management and engineering
New Brunswick 9
Toronto 1.3

Construction technology
Cape Breton 7

Control engineering
Saskatchewan 1.3.5

Design et fabrication
Montréal 10
Polytechnique de
Montréal 7

Electrical and computer engineering
Manitoba 1.3.6
McMaster 1.3.6

Electrical communications
McGill 1.3
Simon Fraser 6

Electrical engineering
Acadia 7
Alberta 1.3.6
British Columbia 1.3.6
Calgary 1.3.6
Carleton 1.3.6
Concordia (PQ) 1.3.6
Lakehead 6
Manitoba 1.3.6
McGill 1.3.6
McMaster 1.3.6
Memorial 1.6
New Brunswick 1.3.6
Ottawa 1.3.6
Queen's 1.3.6
Regina 3
Royal Military 3.6
Ryerson 6
Saskatchewan 1.3.5.6
Technical University 1.3.6
Toronto 1.3.6
Victoria (BC) 1.3.6
Waterloo 1.3.6
Western Ontario 1.3.6
Windsor 1.3.6

Electrical engineering (computer engineering option)
McGill 6
New Brunswick 6
Technical University 6
Toronto 1.3

Electrical engineering (electronics option)
Carleton 6

Electrical engineering (electronics/communications option)
Carleton 1.3
Concordia (PQ) 6
Simon Fraser 6

Electrical engineering (mathematics option)
Simon Fraser 6

Electrical engineering (power option)
Concordia (PQ) 6

Electrical engineering (systems option)
Carleton 1.3
Concordia (PQ) 6
Regina 6
Toronto 1.3

Electrical engineering (telecommunications option)
Carleton 6

Electrical engineering and management
McMaster 6
Ottawa 6

Electrical engineering technology
Cape Breton 7
Lakehead 7

Electricité du bâtiment
Montréal 10
Polytechnique de
Montréal 7

Electrochemical
Toronto 1.3

Electromagnetic engineering
Ottawa 1.3

Electronics engineering
Toronto 1.3

Electronics engineering technology
Cape Breton 7

Electronique industrielle
Montréal 10
Polytechnique de
Montréal 7
UQTR 3

Energy
Toronto 1.3

Engineering
Acadia 7
Alberta 1.3.6
British Columbia 1.3.6
Calgary 1.3.5.6
Cape Breton 7
Carleton 1.3.6
Dalhousie 7
Guelph 1.3.6
Lakehead 6.7
Laurentian 6
Manitoba 1.3.6
McGill 1.3.5.6
McMaster 1.3.6
Memorial 1.3.6
Mount Allison 7
New Brunswick 1.3.6
Ottawa 1.3.6
Prince Edward Island 7
Queen's 6
Regina 3.6.8
St. Francis Xavier 7
Saint Mary's 7
Saskatchewan 1.3.5.6
Technical University 1.3.6
Waterloo 1.3.6
Western Ontario 3.6
Windsor 1.3.6

Engineering and management
McGill 6.10
McMaster 6
Ottawa 1.3.6
Royal Military 3.6

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Engineering chemistry
Queen's 1.3.6

Engineering mathematics
Technical University 1.3

Engineering physics
Alberta 3.6
British Columbia 1.3.6
McMaster 6
Queen's 1.3.6
Royal Military 6
Saskatchewan 6
Simon Fraser 6

Engineering physics and management
McMaster 6

Engineering physics and nuclear engineering
McMaster 3

Engineering science
Simon Fraser 3.6.9
Toronto 6
Western Ontario 1.3.6

Engineering technology
Lakehead 7

Environmental engineering
Guelph 6.10
Toronto 1.3
Windsor 1.3.6

Environmental engineering technology
Cape Breton 7

Environmental technology
Cape Breton 6

Ergonomie
Montréal 5.10
Polytechnique de Montréal 5

Etudes spécialisées (génie)
Montréal 5

Extractive metallurgy
Toronto 1.3

Fisheries engineering
Technical University 1.3

Fluid and thermodynamic processes and design
Guelph 1

Fluid mechanics
McGill 3
Toronto 1.3

Food engineering
Guelph 6

Forest engineering
British Columbia 3
New Brunswick 3.6

Fuels and materials engineering
Royal Military 6

Génie
Laval 1.3.6
Montréal 1.3.6
Ottawa 1.3.6

Génie biomédical
Montréal 1.3
Polytechnique de Montréal 1.3.5

Génie chimique
Laval 1.3.6
Montréal 1.3.6
Ottawa 1.3.6
Polytechnique de Montréal 1.3.5.6
Sherbrooke 1.3.6
UQTR 6

Génie chimique et gestion
Ottawa 6

Génie civil
Laval 1.3.6
Moncton 3.6
Montréal 1.3.6
Ottawa 1.3.6
Polytechnique de Montréal 1.3.5.6
Royal Military 6
Sherbrooke 1.3.6

Génie civil et gestion
Ottawa 6

Génie de la production automatisée
Québec, ETS 6

Génie des combustibles et des matériaux
Royal Military 6

Génie des matériaux
Montréal 6
Polytechnique de Montréal 6

Génie des matériaux et de la métallurgie
Laval 6

Génie des mines
Montréal 6

Génie des mines et de la minéralurgie
Laval 6

Génie électrique
Laval 1.3.6
Montréal 1.3.6
Ottawa 1.3.6
Polytechnique de Montréal 1.3.5.6
Royal Military 6
Sherbrooke 1.3.6
Québec, ETS 6
UQTR 6

Génie énergétique
Montréal 3
Polytechnique de Montréal 3

Génie et gestion
Royal Military 6

Génie et gestion de la construction civile
Québec, ETS 6

Génie général
Moncton 7

Génie génétique
Laval 10

Génie géologique
Laval 6
Montréal 6

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
7. Undergraduate diploma or certificate 8. Special certificate 9. Major or diploma 10. Minor or certificate

Polytechnique de Montréal 1.3.5.6
UQAC 6

Génie industriel
Laval 5
Moncton 3.6
Montréal 3.6
Polytechnique de Montréal 3.5.6.7
UQTR 6

Génie informatique
Montréal 6
Ottawa 6
Polytechnique de Montréal 6
Royal Military 6
UQAC 6

Génie mécanique
Laval 1.3.6
Moncton 6
Montréal 1.3.6
Ottawa 1.3.6
Polytechnique de Montréal 1.3.5.6
Québec, ETS 6
Royal Military 6
Sherbrooke 1.3.6

Génie mécanique et gestion
Ottawa 6

Génie mécanique manufacturier
UQTR 6

Génie métallurgique
Montréal 1.3
Polytechnique de Montréal 1.3.5

Génie minéral
Montréal 1.3
Polytechnique de Montréal 1.3.5

Génie minier
Polytechnique de Montréal 1.3.5.6

Génie nucléaire
Montréal 1.3
Polytechnique de Montréal 1.5

Génie papetier
UQTR 1

Génie physique
Laval 6
Montréal 1.3.6
Polytechnique de Montréal 1.3.5.6
Royal Military 6

Génie unifié
UQAT 6
UQAC 6

Geo-engineering
Toronto 6

Geological engineering
Acadia 7
British Columbia 1.3.6
Manitoba 6
Memorial 6
New Brunswick 6
Queen's 1.3.6
Saskatchewan 6
Toronto 6
Waterloo 6
Windsor 3.6

Geological and mining engineering
Memorial 6

Géomatique
Montréal 10
Polytechnique de Montréal 7

Geophysical engineering
Saskatchewan 6
Toronto 6

Geophysics, exploration
McGill 5
Regina 6

Geotechnical engineering
Concordia (PQ) 3
New Brunswick 1.3
Toronto 1.3.6

Gestion de projets d'ingénierie et d'aménagement
Polytechnique de Montréal 5

Gestion en ingénierie
Ottawa 1.3

Heat, mass and momentum transport
Toronto 1.3

Hydrographic surveying
New Brunswick 1.3.6

Industrial engineering
Acadia 7
Concordia (PQ) 6
Manitoba 6
Ryerson 6
Technical University 1.3.6
Toronto 1.3.6
Windsor 1.3.6

Industrial hazard control engineering
Toronto 1.3

Industrial hygiene
Toronto 1.3

Industrial systems engineering
Regina 6

Information and systems science
Carleton 3
Ottawa 3

Information engineering
Guelph 6

Ingénierie
UQAC 3

Instrumental engineering technology
Cape Breton 7

Integrated manufacturing and process engineering
Toronto 8

Land information management
New Brunswick 5

Machinery
Guelph 3

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Manufacturing engineering
McMaster 6

Materials engineering
Alberta 3.6
McMaster 6
Toronto 1.3.6
Western Ontario 1.3.6
Windsor 1.3.6

Materials handling
Guelph 3

Materials science
McMaster 1.3.6
Royal Military 6
Toronto 1.3.6

Mécanique du bâtiment
Montréal 10
Polytechnique de Montréal 7

Mechanical engineering
Acadia 7
Alberta 1.3.6
British Columbia 1.3.6
Calgary 1.3.6
Carleton 1.3.6
Concordia (PQ) 1.3.6
Lakehead 6.7
Laurentian 8
Manitoba 1.3.6
McGill 1.3.6
McMaster 1.3.6
Memorial 6
New Brunswick 1.3.6
Ottawa 1.3.6
Queen's 1.3.6
Regina 3
Royal Military 3.6
Ryerson 6
Saskatchewan 1.3.5.6
Technical University 1.3.6
Toronto 1.3.6
Victoria (BC) 1.3.6
Waterloo 1.3.6
Western Ontario 1.3.6
Windsor 1.3.6

Mechanical engineering (aeronautical option)
Carleton 1.3
Concordia (PQ) 3
McGill 10
Ottawa 6

Mechanical engineering (automation and control systems option)
Concordia (PQ) 6

Mechanical engineering (design and production option)
Concordia (PQ) 6

Mechanical engineering (thermo fluid and propulsion)
Concordia (PQ) 6

Mechanical engineering and management
Carleton 6
McMaster 6

Mechanical engineering technology
Cape Breton 7
Lakehead 7

Metallurgical engineering
Alberta 1.3.6
British Columbia 1.3.6
Laurentian 6
McGill 1.3.6
McMaster 3.6
Queen's 1.3.6
Technical University 1.3.6
Toronto 6

Métallurgie
Laval 1.3

Metallurgy and materials science
Toronto 1.3.6

Metallurgy of iron and steel
McMaster 8

Méthodes et pratiques de la construction
Québec, ETS 8

Microélectronique
UQAM 6

Microprocesseurs
UQAM 8

Mineral engineering
Acadia 7
Memorial 6
New Brunswick 7
Toronto 6

Mineral engineering technology
Cape Breton 7

Mineral exploration
Toronto 6

Mineral process engineering
British Columbia 1.3.6

Mines
Laval 1.3

Mining engineering
Alberta 1.3.6
British Columbia 1.3.6
Laurentian 6
McGill 1.3.5.6
Queen's 1.3.6
Technical University 1.3.6

Naval architectural engineering
Memorial 6

Naval architecture and marine engineering
Technical University 1.3

Nuclear engineering
McMaster 1
New Brunswick 1.3.6
Royal Military 3
Toronto 1.3

Occupational health (safety engineering)
Toronto 3

Ocean engineering
Memorial 1.3.6

Optimal control
Ottawa 3

Petroleum engineering
Alberta 1.3.6

Physical metallurgy
Toronto 1.3

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
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Plastics
Toronto 1.3

Polymer science and engineering
Toronto 1.3

Power devices and systems
Toronto 1.3

Process control
Guelph 3

Process modelling and optimal control
Toronto 1.3

Production engineering
Toronto 1.3

Professional development in engineering
McMaster 6

Pulp and paper
Toronto 1.3

Quality control
Concordia (PQ) 10

Radio chemistry
Toronto 1.3

Regional systems engineering
Regina 6

Robotics
New Brunswick 1.3

Robotics (mechanical)
Carleton 1.3

Sanitary and environmental engineering
Toronto 1.3

Sciences appliquées
Sherbrooke 5

Separation processes
Toronto 1.3

Shipbuilding
Memorial 6

Signal processing
New Brunswick 1.3

Solid state and semi-conductor
New Brunswick 1.3
Ottawa 1.3

Space and communication sciences
York 6

Space science
York 1.3

Structural engineering
Concordia (PQ) 3
Toronto 1.3

Survey science
Toronto 3.6

Surveying engineering
Calgary 1.3.6
New Brunswick 1.3.5.6
Ryerson 6

Systems design engineering
Waterloo 1.3.6

Systems engineering
Carleton 1.3.6
Ottawa 3
Regina 6

Technologie de la prévention des accidents et des maladies du travail
Montréal 10
Polytechnique de Montréal 7

Technologie de la prévention des incendies
Montréal 10
Polytechnique de Montréal 7

Technologie du soudage
Québec, ETS 8

Technologies de pointe en prévention d'incendies
Polytechnique de Montréal 7

Télécommunications
Québec, ETS 8
Québec, INRS 1.3
UQAM 8

Thermodynamics, kinetics and catalysis
Toronto 1.3

Transportation engineering
Carleton 1.3
Concordia (PQ) 3
New Brunswick 1.3.8
Toronto 1.3

Transportation planning
Carleton 1.3
Toronto 1.3

Very large scale integrated design
Memorial 3

Waste management and ground water contamination
McGill 5
New Brunswick 1.3

Water resources engineering
Carleton 1.3
Concordia (PQ) 3
Guelph 1.3.6
New Brunswick 1.3

Wave sciences
Toronto 1.3

Welding engineering
Alberta 3
Toronto 3

Environmental studies/Etudes de l'environnement

Applied environmental studies (industrial development)
Waterloo 3

Conservation and environmental studies
York 6

Explication des numéros
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Design de l'environnement
UQAM 6

Ecologie
Sherbrooke 6
UQAM 8

Ecology
British Columbia 1.3
Calgary 1.3.6
Guelph 1.3.6
Manitoba 6
Simon Fraser 6
Victoria (BC) 1.3.6

Ecology and evolution
Memorial 6
Western Ontario 6

Environmental analysis
Guelph 1

Environmental and resource management
Toronto 6
Western Ontario 6

Environmental and resource studies
Dalhousie 3
Guelph 3
New Brunswick 1.3
NSCAD 6
Trent 6
Waterloo 6

Environmental assessment
Lakehead 8.9

Environmental control
Guelph 3

Environmental design
Calgary 3
NSCAD 6
Technical University 3.6

Environmental design control
Guelph 3.6

Environmental management
Toronto 6

Environmental science
Brock 6
Calgary 3
Carleton 6
Concordia (AB) 6.10
Toronto 6
Trent 3.6

Environmental studies
Brandon 6
Brock 6.8
Dalhousie 3
Guelph 1.3.6
Lethbridge 6
Manitoba 6
McGill 3.10
NSCAD 6
Toronto 3.6
Trent 6
Victoria (BC) 6
Waterloo 3.6
Winnipeg 6
York 3

Environmental systems
Toronto 6

Environmental toxicology
Simon Fraser 9.10

Environnement
Sherbrooke 3

Environnement et prévention
Montréal 5

Etudes de l'environnement
Montréal 10

Land use and environmental studies
Saskatchewan 6

Natural resources management
Lakehead 6
Manitoba 3
Simon Fraser 3

Renewable resources
McGill 1.3.6

Renewable resources development
Guelph 3

Resources and the environment
Calgary 3

Resources development
British Columbia 1.3
Guelph 1.3.6
McGill 6
Trent 6

Resources management
British Columbia 1.3
Dalhousie 3
Guelph 3.6
Lakehead 6
Manitoba 3
New Brunswick 1.3.6
Toronto 6
Windsor 6

Sciences de l'atmosphère
UQAM 3

Sciences de l'environnement
UQAC 8
UQAM 1.3.8
UQTR 3.8

Toxicologie de l'environnement
Montréal 1

Toxicologie éco-industrielle
Montréal 10

Toxicology
Memorial 3

Forestry/ Sciences forestières

Aménagement des ressources forestières
Laval 6

Forest biology
British Columbia 1.3.6
New Brunswick 1.3.6
Toronto 1.3

Forest business administration
New Brunswick 3

Forest ecology
British Columbia 1.3.6
New Brunswick 1.3.6

Forest economics
Alberta 1.3.6

Key
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British Columbia 1.3.6
New Brunswick 1.3.6

Forest entomology
British Columbia 1.3.6
New Brunswick 3.6

Forest environment
New Brunswick 3.6

Forest fire management
British Columbia 3
New Brunswick 1.3.6

Forest genetics
British Columbia 1.3.6
New Brunswick 1.3.6

Forest harvesting
British Columbia 6
New Brunswick 1.3.6

Forest hydrology
British Columbia 1.3.6
New Brunswick 1.3

Forest management
New Brunswick 1.3.6
Toronto 1.3

Forest measurement/ biometrics
Alberta 1.3
New Brunswick 1.3.6

Forest operations
Alberta 3.6
New Brunswick 1.3.6

Forest pathology
British Columbia 1.3.6
New Brunswick 1.3.6

Forest products
British Columbia 1.3.6
New Brunswick 3.6

Forest recreation management
British Columbia 3.6
New Brunswick 3

Forest resource policy
British Columbia 1.3.6
New Brunswick 3

Forest resources management
Alberta 1.3
British Columbia 1.3.6
Lakehead 6
New Brunswick 1.3.6

Forest soils
British Columbia 1.3.6
New Brunswick 1.3.6

Forest technology
Lakehead 7

Forest wildlife
New Brunswick 1.3.6

Forestry
Alberta 1.3.6
British Columbia 1.3.6
Lakehead 3.6.7
New Brunswick 1.3.6
Toronto 1.3.6

Grazing management
Alberta 6

Opérations forestières
Laval 6

Sciences du bois
Laval 1.3.6

Sciences des pâtes et papiers
UQTR 3

Sciences forestières
Laval 1.3.6
Moncton 6

Silviculture
Alberta 3
British Columbia 1.3.6
New Brunswick 1.3.6

Tree development
New Brunswick 1.3.6

Tree physiology and genetics
British Columbia 1.3.6
New Brunswick 1.3

Wildland recreation and interpretation
Alberta 1.3

Wood science
Alberta 1.3

Wood science and forestry products
Toronto 1.3.6

Wood science and industry
British Columbia 1.3.6
New Brunswick 3

Geography/Géographie

Applied climatology
Guelph 10

Applied geography
Ryerson 6

Biogéographie
Ottawa 6

Biogeography
McGill 6
Ottawa 6
Toronto 1.3
Winnipeg 6
York 1.3

Cartographie
Ottawa 6

Cartography
Carleton 3
Ottawa 6

Climatology
British Columbia 1.3.6
McGill 6
Toronto 1.3
Winnipeg 6
York 3

Cultural and historical geography
British Columbia 1.3
Carleton 3.6
Toronto 1.3.6
York 1

Cultural, historical and political geography
Carleton 3.6

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Economic and urban geography
Carleton 6

Economic geography
British Columbia 1.3
Carleton 3
Ottawa 6
Winnipeg 6
York 1.3

Environmental geography
Brock 6
Concordia (PQ) 6
Laurentian 6
Windsor 3.6

Environmental impact assessment and natural resources
Toronto 1.3

Géographie
Laurentienne 6
Laval 1.3.6.9.10
Moncton 6.10
Montréal 1.3.6.9.10
Ottawa 1.3.6
Saint-Boniface 9.10
Sherbrooke 3.6.10
UQAM 3.6
UQAR 6
UQTR 6

Géographie économique
Ottawa 6

Géographie humaine
Laval 10
Saint-Boniface 6

Géographie physique
Laval 10
Saint-Boniface 6
Sherbrooke 6
UQAM 6.8

Geography
Alberta 1.3.6
Bishop's 6
Brandon 6
British Columbia 1.3.6
Brock 6
Calgary 1.3.6
Campion 6
Carleton 3.6
Concordia (PQ) 6.10
Guelph 3.6
King's (ON) 6
Lakehead 6
Laurentian 6
Lethbridge 6
Luther 6
Manitoba 1.3.6
McGill 1.3.6
McMaster 1.3.6
Memorial 3.6.9.10
Mount Allison 6
Ottawa 1.3.6
Queen's 1.3.6
Redeemer 10
Regina 3.6
Saint Mary's 6
St. Paul's 9
St. Thomas More 6
Saskatchewan 1.3.5.6
SIFC 6
Simon Fraser 1.3.6.9.10
Toronto 1.3.6
Trent 6
Trinity Western 6
Victoria (BC) 1.3.6
Waterloo 1.3.6
Western Ontario 1.3.6
Wilfrid Laurier 3.6
Windsor 3.6
Winnipeg 6
York 1.3.6

Geography (environmental and resources management)
Western Ontario 6

Geography (resources management)
Windsor 6

Geography (urban development)
Lethbridge 9
Western Ontario 6
York 6

Geography and biology
Brock 6
Carleton 6
Lakehead 6
York 6

Geography and economics
Brock 6
Mount Allison 6
Toronto 6

Geography and environmental sciences
McMaster 6

Geography and environmental studies
McMaster 6

Geography and geology
Brock 6
Carleton 6
McMaster 6
Western Ontario 6

Geography and history
Mount Allison 6

Geography and Latin American studies
Simon Fraser 6.9

Geography and outdoor recreation
Lakehead 6

Geography and sociology/anthropology
Mount Allison 6

Geography and urban studies
York 6

Geography science
Queen's 1.3

Geo-information processing and mapping
Alberta 6

Géomorphologie
Ottawa 6

Geomorphology
Alberta 3
British Columbia 1.3.6
Guelph 3
Ottawa 6
Toronto 1.3
Winnipeg 6

Historical and cultural geography
Carleton 3

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
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Toronto 1.3.6
York 3

Historical geography
Carleton 3

History and philosophy of geography
Toronto 1.3

Human geography
Brock 6
Concordia (PQ) 6
Windsor 3.6
York 6

Hydrology
Concordia (PQ) 6
York 3

Man-environment relationships
Concordia (PQ) 6
Windsor 3.6

Medical geography
York 3

Physical geography
Alberta 6
British Columbia 6
Brock 6
Carleton 3.6
Concordia (PQ) 6
Guelph 3.6
Lethbridge 9
McMaster 6
Toronto 6
Wilfrid Laurier 6
Windsor 3.6
Winnipeg 6
York 6

Prehistorical geography
York 3

Quantitative analysis
Toronto 1.3

Quaternary environments
York 3

Regional analysis
Toronto 1.3

Remote sensing
Carleton 6

McGill 5
Ottawa 6

Resource analysis
York 1

Resources management
York 3

Resources studies
Alberta 6
Windsor 3.6

Settlement studies
Guelph 6
Windsor 3.6

Social geography
Toronto 1.3
Windsor 3.6
York 3

Télédétection
Ottawa 6
Sherbrooke 1

Urban and economic geography
Toronto 1.3.6

Urban geography
British Columbia 1.3
Windsor 6
Winnipeg 6
York 1.3

Urban studies
Brock 7
Calgary 6
Concordia (PQ) 6
Lethbridge 9
Wilfrid Laurier 6
Windsor 3.6
York 6

Health education/ Hygiène

Addiction studies
McMaster 8

Alcoholism and drug dependence
Toronto 5

Behavioral science
Toronto 1.3

Biostatistics
Toronto 1.3

Community and epidemiology
Toronto 3

Community nutrition
Toronto 3

Environmental and occupational health
Toronto 1.3

Environmental health
Ryerson 5.6

Epidemiology
Toronto 1.3

Exercise sciences
Toronto 1.3

Health administration
Toronto 1.3

Health care practice
McMaster 3

Health education
Dalhousie 6
Regina 6
Toronto 6

Health promotion
Toronto 3

Health studies
Brock 6

Hygiène du travail et de l'environnement
Montréal 3

Indian health studies
SIFC 7

Industrial health
Toronto 5

Occupational health
McGill 5
Toronto 3

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Occupational health and safety
McMaster 8

Occupational hygiene
McGill 5

Pre-professional studies for the health sciences
Brock 6

Promotion de la santé
Montréal 1

Public health
Toronto 10

Santé au travail
Laval 5
Sherbrooke 10

Santé communautaire
Laval 3.10
Montréal 1.3.5.10
Sherbrooke 5

Toxicomanie
Sherbrooke 10

History/Histoire

African history
Dalhousie 1.3.6
Toronto 1.3
York 1

American history
Carleton 3
Dalhousie 1.3.6
King's (NS) 6
New Brunswick 1.3
Ottawa 3.6
Saint Mary's 6
Toronto 1.3.6
York 1.3

Ancient history
Brock 6
Carleton 6
Dalhousie 6
King's (NS) 6
Luther 6
Manitoba 1.3.6
McMaster 1.6
New Brunswick 6
Ottawa 6
St. Jerome's 6
Saint Mary's 6
Trent 6
Victoria (BC) 3.6

Asian history
York 1

Atlantic provinces history
New Brunswick 1.3
Saint Mary's 6

British and European history
Carleton 3
King's (NS) 6
York 3

British and modern European history
Carleton 6
King's (NS) 6
Saint Mary's 6
York 1

British history
Acadia 3
Carleton 3
Dalhousie 1.3.6
King's (NS) 6
McMaster 1.6
New Brunswick 3.6
Toronto 1.3

Canadian history
Carleton 1.3.6
Dalhousie 1.3.6
Guelph 1.3
King's (NS) 6
Manitoba 1.3.6
McMaster 1.6
New Brunswick 1.3
Ottawa 1.3.6
Regina 9.10
St. Jerome's 6
Saint Mary's 3.6
Toronto 1.3
York 1.3

Caribbean/Latin American history
Dalhousie 1.3.6

Chinese history
York 1.3

Colonial history
Toronto 1.3

Development studies
Carleton 3.6
Saint Mary's 3.6

East Asian history
New Brunswick 3.6
Saint Mary's 6
Toronto 1.3.6

European history
Dalhousie 1.3.6
King's (NS) 6
New Brunswick 3.6
Ottawa 3.6
Toronto 1.3
York 1

France d'ancien régime
Ottawa 1.3

French Canadian history
Ottawa 1.3.6

French history and politics
Simon Fraser 6.9

German history
Dalhousie 1.3.6
King's (NS) 6

Greek and Roman history
Carleton 6
King's (NS) 6
Toronto 6
Trent 6

Histoire
Laurentienne 3.6
Laval 1.3.6.9.10
Moncton 3.6.10
Montréal 1.3.6.9.10
Ottawa 1.3.6
Sainte-Anne 6
Saint-Boniface 9.10
Sherbrooke 3.6.10
UQAC 6
UQAM 1.3.6
UQAR 6
UQTR 6
York 6

Histoire-géographie
Moncton 8

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
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Histoire américaine
Ottawa 3.6

Histoire ancienne
Laval 6

Histoire canadienne
Ottawa 1.3.6

Histoire canadienne française
Ottawa 1.3.6

Histoire et sociopolitique des sciences
Montréal 1.3

Histoire européenne
Ottawa 1.3.6

Histoire sociale
Ottawa 6

History
Acadia 3
Alberta 1.3.6
Athabasca 6.9
Bishop's 3.6
Brandon 6
Brescia 6
British Columbia 1.3.6
Brock 6
Calgary 1.3.6
Campion 6
Camrose Lutheran 6
Cape Breton 6.7
Carleton 1.3.6
Concordia (AB) 6.10
Concordia (PQ) 1.3.6.10
Dalhousie 1.3.6
Guelph 1.3.6
Huron 6
King's (AB) 6
King's (NS) 6
King's (ON) 6
Lakehead 3.6
Laurentian 3.6
Lethbridge 6
Luther 6
Manitoba 1.3.6
McGill 1.3.6
McMaster 1.3.6
Memorial 1.2.3.6.9.10
Mount Allison 6
Mount Saint Vincent 6
New Brunswick 1.3.6
Ottawa 1.3.6
Prince Edward Island 6
Queen's 1.3.6
Redeemer 6
Regina 3.6
Royal Military 3.6
St. Francis Xavier 6
St. Jerome's 6
Saint Mary's 3.6
St. Paul's 10
St. Thomas 6
St. Thomas More 6
Saskatchewan 1.3.5.6
SIFC 6
Simon Fraser 1.3.6.9.10
Toronto 1.3.6
Trent 3.6
Trinity Western 6
Victoria (BC) 3.6
Waterloo 1.2.3.6.10
Western Ontario 1.3.6
Wilfrid Laurier 3.6
Windsor 3.6
Winnipeg 3.6
York 1.3.6

History and Canadian studies
Simon Fraser 6.9

History and English
Concordia (PQ) 6
Mount Allison 6

History and French
Mount Allison 6

History and Latin American studies
Simon Fraser 6.9

History and philosophy
Mount Allison 6

History and political science
McGill 6
Mount Allison 6
Royal Military 6
Royal Roads Military 6
Toronto 6

History and religious studies
Mount Allison 6

History and sociology/anthropology
Mount Allison 6

History of medicine and science
Toronto 1.3

History of philosophy
British Columbia 1.3
King's (NS) 6
Toronto 6

History of political/ social theory
Dalhousie 1.3.6

History of Quebec
Concordia (PQ) 10
Ottawa 1.3

History of religion
British Columbia 3
Lethbridge 6
Luther 6
Regina 6

History of science
Toronto 1.3
Western Ontario 6

History of science and history
Western Ontario 6

History of science and philosophy
Western Ontario 6

History of science and technology
Toronto 1.3.6

Labor studies
Brock 6
Carleton 6
Manitoba 6
McMaster 6.8
Saskatchewan 8
Toronto 6
Windsor 7
York 6

Latin American history
Ottawa 3

Medieval history
British Columbia 6
Carleton 3
Dalhousie 1.3.6
King's (NS) 6

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Ottawa 6
Toronto 1.3.6

Medieval studies
Queen's 6

Modern East Asian history
York 1

New France
Ottawa 1.3

North American history
Brock 6
Ottawa 3
Saint Mary's 3.6
Toronto 1.3
York 1

Nouvelle France
Ottawa 1.3

Old regime France
Ottawa 1.3

Peace and conflict studies
Carleton 3
McMaster 6
New Brunswick 1.3
Toronto 6
Waterloo 10

Peace and war studies
Calgary 6

Peace studies
McMaster 10

Public history
Simon Fraser 5.10

Renaissance history
British Columbia 6
Dalhousie 6
King's (NS) 6
Manitoba 6
Toronto 6

Renaissance studies
Toronto 6

Russian history
Carleton 3
Dalhousie 1.3.6
Toronto 1.3

Social history
Ottawa 6
York 1.3

United States history
Dalhousie 1.3.6
Ottawa 3

Victorian studies
Toronto 1.3.6
York 3

War studies
Acadia 6
New Brunswick 1.3
Royal Military 3

Women's history
Dalhousie 1.3.6

Home economics and food science/Sciences domestiques et sciences de la nutrition

Applied human nutrition
Acadia 6
Guelph 1.3.6

Clothing and textiles
Alberta 3.6
Brescia 6
Guelph 3.6
Manitoba 3.6
Mount Saint Vincent 6

Clothing, textiles and design
Western Ontario 6

Community nutrition
Western Ontario 6

Comprehensive studies
Brescia 6
Manitoba 6
Mount Saint Vincent 6
Western Ontario 6

Consommation
Laval 6.10

Consumer studies
Acadia 6
Guelph 3.6
Mount Saint Vincent 6
St. Francis Xavier 6

Dietetics
Acadia 6
Brescia 6
British Columbia 6
McGill 6
Memorial 6.9
Mount Saint Vincent 6
St. Francis Xavier 6
Western Ontario 6

Diététique
Laval 6

Economie familiale et sociale
UQAM 8

Etudes familiales
Moncton 3.6

Family and consumer studies
Mount Saint Vincent 6

Family studies
Acadia 6
Alberta 3.6
British Columbia 3.6
Guelph 1.3.6
Manitoba 3.6
Mount Saint Vincent 6
St. Jerome's 6.10

Food administration
Acadia 6
Brescia 6
McGill 6
Mount Saint Vincent 6
St. Francis Xavier 6
Western Ontario 6

Food biochemistry
Memorial 1.3.6.9

Food, nutrition, consumer and family studies
Ryerson 6

Food science
Acadia 6
Alberta 1.3.6
British Columbia 1.3.6
Guelph 1.3.6
Manitoba 6
McGill 6
Memorial 1.3.6.9

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
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Mount Saint Vincent 6
Saskatchewan 1.3.5.6
Technical University 1.3

Food science and agricultural chemistry
McGill 1.3

Foods and nutrition
Alberta 3.6
Brescia 6
Manitoba 3.6
Mount Saint Vincent 6
Western Ontario 6

Food and nutritional sciences
Manitoba 1

Home economics
Acadia 6
Alberta 3.6
Brescia 6
British Columbia 6
Mount Saint Vincent 6
Prince Edward Island 6
St. Francis Xavier 6
Western Ontario 6
Windsor 6

Housing and design
Guelph 10

Housing and facility management
Mount Saint Vincent 6

Human ecology
Manitoba 6

Human nutrition
Western Ontario 6

Nutrition-English language program
Acadia 6
Brescia 6
British Columbia 1.3.6
Guelph 1.3.6
McGill 6
Memorial 6.9
Mount Saint Vincent 6
Ottawa 6
Prince Edward Island 6
Saskatchewan 3.5.6
St. Francis Xavier 6
Western Ontario 6

Nutrition-programme en langue française
Laval 1.3
Moncton 3.6
Montréal 1.3.6
Ottawa 6

Nutritional sciences
Guelph 6
Toronto 1.3.5.6

Sciences et technologie des aliments
Laval 1.3.6

Textiles
Guelph 6

Journalism, communications, radio-television/ Journalisme, communications, radio-télévision

Broadcast journalism
Concordia (PQ) 6

Communication
Cape Breton 6

Communication design
NSCAD 6.7

Communication graphique
Laval 6

Communication publique
Laval 3.6.9.10

Communications-English language program
Brock 6
Calgary 3
Campion 6
Guelph 3.8
Luther 6
McGill 1.3.6
Ottawa 6
Regina 6
SIFC 6.7
Simon Fraser 1.3.6.9.10
Trinity Western 10
Wilfrid Laurier 6
Windsor 3.6

Communications-programme en langue française
Laval 9.10
Montréal 1
Ottawa 6
Sherbrooke 10
UQAH 8
UQAM 1.3.6.8
UQAT 8

Communications and business administration
Simon Fraser 6.9

Communications and journalism
Concordia (PQ) 6

Communications and Latin American studies
Simon Fraser 6.9

Communications sociales
Saint-Paul 7

Communications studies
Brock 6
Calgary 6
Concordia (PQ) 5.6
Windsor 3.6
York 6

Indian communication arts
Regina 10
SIFC 7

Information et communication
Moncton 6

Information et journalisme
Montréal 10

Informational publishing
Windsor 7

Journalism
Campion 6
Carleton 3.6
Concordia (PQ) 5.6.10
King's (NS) 6
Luther 6
Regina 6

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Ryerson 6
Western Ontario 3

Journalisme
Laval 10

Mass communications
Carleton 6
York 6

Media studies
Concordia (PQ) 3

Professional writing in English
Sherbrooke 6

Publicité
Montréal 10

Publishing
Simon Fraser 10

Radio and television arts
Ryerson 6

Rédaction française
Sherbrooke 6.10

Sciences de la communication
Montréal 3.9.10

Social communications
Brock 9
Saint Paul 7

Languages and literatures/Langues et littératures

Akkadian, language and literature
Toronto 1.2.3

Allemand, langue et littérature
Laurentienne 6
Laval 9.10
Montréal 1
Ottawa 6

Anglais fonctionnel
UQTR 8

Anglais, langue et littérature
Laval 1.3.6.9.10
Moncton 6.10
Ottawa 1.3.6
Sainte-Anne 6
Saint-Boniface 9.10
Sherbrooke 6.10

Anglais, langue seconde
Laval 10
UQAC 8

Applied language studies
Brock 6

Applied linguistics
Brock 6
Concordia (PQ) 3

Aramaic-Syriac, language and literature
Toronto 1.2.3

Bilingual competence
York 8

Canadian literature
British Columbia 1.3
Campion 6
Guelph 3.6
Luther 6
McMaster 1
New Brunswick 1.3
Ottawa 1.3.6
Regina 3.6
St. Jerome's 6
SIFC 6
Toronto 6
Western Ontario 3
York 1.3

Chinese, language and literature
Alberta 6
British Columbia 1.3.6
Saint Mary's 6
Toronto 1.2.3.6
Victoria (BC) 6

Classical civilization
Carleton 6
Memorial 6.9.10
Toronto 6
Trent 6

Classical languages
British Columbia 1.3.6
Brock 6
Memorial 6.9.10
Mount Allison 6
Queen's 3.6
Trent 6

Classical philology (Latin and Greek)
Concordia (PQ) 6.10
McMaster 3
Memorial 6.9.10
Ottawa 1.3
Toronto 1.3.6

Classical studies
Brock 6
King's (NS) 6
Lakehead 10
Laurentian 6
McMaster 3.6
Memorial 6.9.10
Mount Allison 6
Ottawa 1.3
Queen's 3.6
Redeemer 10
Toronto 1.3.6
Trent 6
Waterloo 6
Western Ontario 6
Wilfrid Laurier 6
Windsor 6
York 6

Classical studies/ languages option
Brock 6
Memorial 6.9.10
Waterloo 6

Commonwealth literature
York 1

Comparative Canadian literature
Ottawa 1.3

Comparative linguistics
Memorial 10

Comparative literature
Alberta 1.3.6
British Columbia 1.3
Carleton 3
Dalhousie 6

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
7. Undergraduate diploma or certificate 8. Special certificate 9. Major or diploma 10. Minor or certificate

King's (NS) 6
McGill 3
McMaster 6
Mount Saint Vincent 6
New Brunswick 6
Ottawa 1.3
Toronto 1.3
Windsor 6

Compétence bilingue
Sainte-Anne 6
York 8

Création littéraire
Laval 10
UQAM 8

Creative writing
British Columbia 3.6.7
Calgary 3
Concordia (PQ) 3.6.10
Lethbridge 6
New Brunswick 3
Victoria (BC) 6
Windsor 3.6
York 6

Cree linguistics
Regina 9.10
SIFC 6

Czech, language and literature
Toronto 1.3.6

Dakota, language and literature
Regina 9.10

Dene, language and literature
Regina 9.10

East Asian languages and literature
McGill 10

Egyptian, language and literature
Toronto 1.2.3

English dramatic literature
Concordia (PQ) 10

English, language and literature
Acadia 3.6
Alberta 1.3.6
Athabasca 6.9
Bishop's 3.6
Brandon 6
Brescia 6
British Columbia 1.3.6
Brock 6
Calgary 1.3.6
Campion 6
Camrose Lutheran 6
Cape Breton 6.7
Carleton 3.6
Concordia (AB) 6.10
Concordia (PQ) 3.6.10
Dalhousie 1.3.6
Guelph 3.6
Huron 6
King's (AB) 6
King's (NS) 6
King's (ON) 6
Lakehead 3.6
Laurentian 6
Lethbridge 6
Luther 6
Manitoba 1.3.6
McGill 1.3.6
McMaster 1.3.6
Memorial 1.2.3.6.9.10
Mount Allison 6
Mount Saint Vincent 6
New Brunswick 1.3.6
Ottawa 1.3.6
Queen's 1.3.6
Prince Edward Island 6
Redeemer 6
Regina 3.6
Royal Military 3.6
St. Francis Xavier 6
St. Jerome's 6
Saint Mary's 6
St. Michael's 6
St. Thomas 6
St. Thomas More 6
Saskatchewan 1.3.5.6
SIFC 6
Toronto 1.3.6
Trinity 6
Trinity Western 6
Victoria (BC) 3.6
Waterloo 2.3.6.10
Western Ontario 1.3.6
Wilfrid Laurier 6
Windsor 3.6
Winnipeg 6
York 1.3.6

English, second language
Queen's 10
Toronto 10

English (drama and theatre option)
Acadia 6
McGill 6
Mount Allison 6

English and drama
Brescia 6
Lethbridge 6
Memorial 9
Toronto 6
Western Ontario 6
York 3

English (literature option)
King's (NS) 6
Trent 6
Waterloo 6
York 1

English and French
Concordia (PQ) 6

English and French literatures
Simon Fraser 6.9

English and latin
Calgary 6
Mount Allison 6

English and theatre
Concordia (PQ) 6

English (film and communications option)
McGill 1.3.6

English (rhetoric and professional writing)
Waterloo 6

ESL-linguistics
Simon Fraser 10

Espagnol, langue et littérature
Laurentienne 6
Laval 1.3.6.9.10
Montréal 1
Ottawa 3.6
UQAC 8

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Etudes allemandes
Montréal 3.6.9.10

Etudes anglaises
Laval 6.9
Montréal 1.3.6.9.10
Sherbrooke 1.3.6.10

Etudes françaises
Laval 6
Montréal 1.3.6.9.10
Sherbrooke 1.3.6.10
UQTR 6
York 6

Etudes hispaniques
Montréal 3.6.9.10
York 6

Etudes du langage
UQAM 8

Etudes littéraires
Sherbrooke 6
UQAC 3
UQAM 3.6
UQAR 3.6
UQTR 3

Etudes littéraires françaises
UQAC 6

Expression française écrite
UQAH 8

Finnish, language and literature
Lakehead 6

Folklore
Memorial 1.3.6.9.10
Sudbury 10

Français écrit
UQAM 8
UQAR 8

Français, langue et littérature
Alberta 6
Bishop's 6
Laurentienne 3.6
Laval 1.3.6.9.10
Moncton 1.3.6.10
Montréal 9
Ottawa 1.3.6
Sainte-Anne 6
Saint-Boniface 9.10
York 6

Français, langue seconde
Laurentienne 8
Laval 6.9.10
Moncton 8

Français pour non-francophones
Laval 3.6.9.10
Ottawa 6.8
Sainte-Anne 8
UQAC 8
UQTR 8

Français pratique
Western Ontario 7

Français juridique
Western Ontario 7

French Canada, language and literature
Alberta 1.3.6
Campion 6
Carleton 3.6
Guelph 6
Laurentian 6
Luther 6
McGill 6
Ottawa 1.3.6
Regina 9.10

French language
Concordia (PQ) 10

French, language and literature
Acadia 3.6
Alberta 1.3.6
Athabasca 6.9
Bishop's 6
Brandon 6
Brescia 6
British Columbia 1.3.6
Brock 6
Calgary 3.6
Campion 6
Cape Breton 6
Carleton 3.6.8
Concordia (AB) 10
Dalhousie 3.6
Guelph 6
Huron 6
King's (NS) 6
King's (ON) 6
Lakehead 6
Laurentian 6
Lethbridge 6
Luther 6
Manitoba 1.3.6
McGill 1.3.6.8
McMaster 3.6
Memorial 3.6.9.10
Mount Allison 6
Mount Saint Vincent 6
New Brunswick 3.5.6.8
Ottawa 1.3.6
Prince Edward Island 6
Redeemer 6
Regina 3.6
St. Francis Xavier 6
St. Jerome's 6
Saint Mary's 6
St. Michael's 6
St. Thomas 6
Saskatchewan 3.5.6
SIFC 6
Simon Fraser 1.3.6.9.10
Toronto 1.3.6
Trent 6
Trinity 6
Trinity Western 10
Victoria (BC) 3.6.8
Waterloo 3.6.10
Western Ontario 1.3.6
Wilfrid Laurier 6
Windsor 6
Winnipeg 6
York 6

French, second language
Guelph 8

French and English writing skills
Ottawa 7

French and latin
Calgary 6
Mount Allison 6
Toronto 6

French proficiency
Athabasca 7
Lakehead 8
New Brunswick 8
Simon Fraser 10

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
7. Undergraduate diploma or certificate 8. Special certificate 9. Major or diploma 10. Minor or certificate

French studies
Concordia (PQ) 6
Queen's 1.3.6

German, language and literature
Acadia 6
Alberta 1.3.6
Bishop's 6
Brandon 10
British Columbia 1.3.6
Brock 6
Calgary 3.6
Campion 6
Carleton 3.6
Concordia (PQ) 6.10
Dalhousie 3.6
Guelph 6
King's (NS) 6
King's (ON) 6
Lakehead 10
Laurentian 6
Lethbridge 6
Luther 6
Manitoba 3.6
McGill 1.3.6.8
McMaster 3.6
Memorial 2.3.6.9.10
Mount Allison 6
Mount Saint Vincent 6
New Brunswick 3.6
Ottawa 6
Queen's 1.3.6
Regina 9.10
Saint Mary's 6
St. Michael's 6
St. Thomas More 6
Saskatchewan 3.5.6
SIFC 6
Toronto 1.2.3.6
Trent 6
Trinity 6
Victoria (BC) 6
Waterloo 1.2.3.6.10
Western Ontario 6
Wilfrid Laurier 6
Windsor 6
Winnipeg 6
York 6

Grec, langue et littérature
Laval 1.3.6.9.10
Ottawa 1.3.6

Greek, language and literature
Acadia 6
Alberta 1.3.6
British Columbia 1.3.6
Brock 6
Calgary 6
Campion 6
Carleton 3.6
Dalhousie 1.3.6
Guelph 6
King's (NS) 6
Luther 6
Manitoba 3.6
McGill 1.3.6
McMaster 3.6
Memorial 6.9.10
Mount Allison 6
New Brunswick 3.6
Ottawa 1.3.6
Queen's 3.6
Regina 9.10
St. Thomas More 6
Saskatchewan 6
Toronto 1.3.6
Trent 6
Trinity 6
Victoria (BC) 3.6
Waterloo 6.10
Western Ontario 3.6
Wilfrid Laurier 6
Windsor 6
Winnipeg 6
York 6

Greek and latin
Calgary 6
Memorial 6.9.10
Mount Allison 6
Ottawa 1.3
Toronto 6
Wilfrid Laurier 6

Greek and religious studies
Mount Allison 6

Hebrew, language and literature
Manitoba 6
Regina 9.10
Toronto 1.3.6

Hispanic languages
Alberta 1.3.6
McGill 3.6.8
McMaster 6

Humanités
York 6

Humanities
Bishop's 6
Brock 9
Calgary 6
Guelph 6
Lethbridge 6
McMaster 6
Memorial 2
New Brunswick 6
Toronto 6
Trinity Western 6
York 6

Icelandic, language and literature
Manitoba 3.6

Indian languages
Campion 6
Lethbridge 6
Regina 9.10
SIFC 6
Toronto 6
Victoria (BC) 7

Intelligence artificielle (linguistique)
Montréal 1

Interprétation (traduction)
Montréal 3
Ottawa 5

Interprétation auprès du tribunal
Laurentienne 8

Interpreting (translation)
Ottawa 5

Italian, language and literature
Alberta 3.6
Bishop's 10
British Columbia 3.6
Brock 6
Carleton 6
Concordia (PQ) 6.10
Guelph 6
Laurentian 6
McGill 3.6.8
McMaster 6
Ottawa 6

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Queen's 6
St. Jerome's 10
St. Thomas 6
Toronto 1.2.3.6
Victoria (BC) 6
Windsor 6
York 6

Italien, langue et littérature
Laurentienne 6
Ottawa 6

Japanese, language and literature
Alberta 6
British Columbia 1.3.6
Toronto 1.2.3.6
Victoria (BC) 6

Language and linguistics
Queen's 6

Langue et civilization anglaises
Montréal 10

Langues et littératures slaves
Ottawa 1.3.6

Langues modernes
Ottawa 6
Sherbrooke 10
UQAC 8

Latin, language and literature
Acadia 6
Alberta 1.3.6
Brandon 10
British Columbia 1.3.6
Brock 6
Calgary 6
Campion 6
Carleton 3.6
Dalhousie 3.6
Guelph 6
King's (NS) 6
Luther 6
Manitoba 6
McGill 1.3.6
McMaster 3.6
Memorial 6.9.10
Mount Allison 6
New Brunswick 3.6
Ottawa 1.3.6
Queen's 3.6
Regina 9.10
St. Michael's 1.4
St. Thomas 6
St. Thomas More 6
Saskatchewan 6
Toronto 1.3.6
Trent 6
Trinity 6
Victoria (BC) 3.6
Waterloo 6.10
Western Ontario 3.6
Wilfrid Laurier 6
Windsor 6
Winnipeg 6
York 6

Latin, langue et littérature
Laval 1.3.6.9.10
Ottawa 1.3.6

Latin and classical studies
Concordia (PQ) 6

Liberal studies
Brock 6
Simon Fraser 10

Linguistics
Alberta 1.3.6
British Columbia 1.3.6.7
Calgary 3.6
Carleton 6.8
Concordia (PQ) 6.10
Manitoba 1.3.6
McGill 1.3.6
McMaster 6
Memorial 1.2.3.6.9.10
Mount Saint Vincent 10
New Brunswick 3.6
Ottawa 1.3.6
Regina 6
St. Thomas More 6
Saskatchewan 6
SIFC 6
Simon Fraser 1.3.6.9.10
Toronto 1.3.6
Victoria (BC) 1.3.6
York 6

Linguistics/Stylistics
York 1.3

Linguistics and classics
McGill 6

Linguistique
Laurentienne 6
Laval 1.3.6
Montréal 1.3.6.9.10
Ottawa 1.3.6
Sherbrooke 6
UQAC 3.6
UQAM 1.3.6

Linguistique appliquée-terminologie
Montréal 3

Linguistique et études de langue
York 6

Linguistique française
Laval 6

Littérature
Montréal 1

Littérature canadienne comparée
Sherbrooke 1.3

Littérature comparée
Montréal 3.10

Littérature comparée et générale
Montréal 1

Littérature de jeunesse
UQAM 8

Littérature de langue française
Concordia (PQ) 6.10

Littérature québécoise
Laval 1.3.6.10
Ottawa 1.3.6

Medieval literature
British Columbia 6
Dalhousie 6
King's (NS) 6
Manitoba 6
St. Michael's 1.4
Toronto 1.3
Waterloo 6

Modern languages
Lethbridge 6
McGill 6
McMaster 6

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
7. Undergraduate diploma or certificate 8. Special certificate 9. Major or diploma 10. Minor or certificate

Mount Allison 6
Ottawa 6
Prince Edward Island 6
St. Francis Xavier 6
Toronto 6

Modern literature
Queen's 6

Nakota, language and literature
Regina 9.10

Native languages
Lakehead 10
Manitoba 6

North American literature
McGill 6
New Brunswick 1.3
St. Thomas More 6
York 1

Ojibway linguistics
Regina 9.10
SIFC 6
Sudbury 10

Philologie slave
Ottawa 1.3

Polish, language and literature
Alberta 6
British Columbia 1.3.6
Ottawa 1.3.6
Toronto 1.3.6

Polonais, langue et littérature
Ottawa 1.3

Portuguese
Toronto 3.6

Pratiques d'écriture
Montréal 10

Quebec literature
Ottawa 1.3.6

Recherche documentaire et rédaction française
Montréal 10

Recherche et rédaction
UQTR 8

Rédaction
UQAC 8

Rédaction française
Sherbrooke 6.10

Rédaction française et rédaction anglaise
Ottawa 7

Rédaction technique
Laval 10

Romance languages
British Columbia 6
Brock 6
Manitoba 6

Romance linguistics
Alberta 1.3.6

Russe, langue et littérature
Laurentienne 6
Ottawa 1.3.6

Russian, language and literature
Acadia 6
Alberta 1.3.6
British Columbia 1.3.6
Brock 6
Calgary 6
Carleton 6
Dalhousie 6
King's (NS) 6
Laurentian 6
Luther 6
Manitoba 3.6
McGill 1.3.6.8
McMaster 6
Memorial 6.9.10
Ottawa 1.3.6
Queen's 6
Regina 9.10
St. Thomas More 6
Saskatchewan 6
Toronto 1.3.6
Victoria (BC) 6
Waterloo 3.6
Western Ontario 6
Windsor 6
York 6

Scandinavian
Alberta 6
Camrose Lutheran 6

Sémiologie
UQAM 1

Semiotics
Toronto 6

Semitic languages
Saskatchewan 6

Slavic languages
Alberta 1.3.6
Luther 6
Manitoba 3.6
Regina 9.10
St. Thomas More 6
Saskatchewan 3.5.6
Toronto 1.3.6
Waterloo 6

Slavic languages and literatures
Alberta 1.3.6
British Columbia 1.3.6
Brock 6
McMaster 6
Ottawa 1.3.6
Toronto 1.3.6

Slavic philology
Ottawa 1.3

South Asian language and literature
Toronto 1.3.6

Spanish, language and literature
Acadia 6
Alberta 1.3.6
British Columbia 1.3.6
Brock 6
Calgary 6
Carleton 6
Concordia (PQ) 6.10
Dalhousie 6
Guelph 6
King's (NS) 6
King's (ON) 6
Lakehead 6
Laurentian 6
Manitoba 6
McGill 3.6.8
McMaster 6
Memorial 6.9.10
Mount Allison 6
Mount Saint Vincent 6

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

New Brunswick 3.6
Ottawa 3.6
Queen's 3.6
St. Francis Xavier 6
Saint Mary's 6
St. Thomas 6
St. Thomas More 6
Saskatchewan 6
Simon Fraser 1.3.6.9.10
Toronto 1.3.6
Trent 6
Victoria (BC) 6
Waterloo 6.10
Western Ontario 3.6
Wilfrid Laurier 3.6
Windsor 6
York 6

Speech sciences in linguistics
British Columbia 6

Techno-linguistique autochtone
UQAC 8

Terminologie
UQAM 8

Terminologie et traduction
Laval 3
Ottawa 3

Theoretical linguistics
McGill 1.3.6

Théorie et épistémologie de la littérature
Montréal 1

Traduction
Concordia (PQ) 5
Laurentienne 6
Laval 6
Montréal 3.6.10
Moncton 6.8.10
Ottawa 3.6
Saint-Boniface 6.8
Sherbrooke 10
UQTR 6.8
York 6

Traduction, espagnol
Ottawa 5

Traduction/Interprétation
Montréal 3

Traduction juridique
Ottawa 5

Traduction pratique
UQAH 8

Translation
British Columbia 7
Concordia (PQ) 6
Laurentian 6
McGill 7.8
Ottawa 3.6
Queen's 6
York 6

Translation, Spanish
Ottawa 5

Ukrainian, language and literature
Alberta 3.6
Luther 6
Manitoba 3.6
Ottawa 1.3.6
Regina 9.10
St. Thomas More 6
Saskatchewan 6
Toronto 1.3.6

Ukrainien, langue et littérature
Ottawa 1.3.6

Victorian literature
St. Jerome's 6
York 1.3

Writing/Translation (English and French)
Ottawa 8

Law/Droit

Air and space law
McGill 1.3.5

Comparative law
McGill 1.3

Droit
Laval 1.3.6.10
Moncton 6
Montréal 1.3.5.6.10
Sherbrooke 6

Droit (common law)
Moncton 6.8
Ottawa 1.3.5.6

Droit administratif
Montréal 5

Droit civil
Montréal 5
Ottawa 1.3.4.5.8

Droit commercial
Montréal 5

Droit de la santé
Sherbrooke 3

Droit et administration des affaires
Ottawa 3.4

Droit et justice
Laurentienne 5.6

Droit notarial
Laval 5
Montréal 5
Sherbrooke 9

Droit social et du travail
UQAM 3.8

Droit et les citoyens, le
UQAT 8

Justice
Western Ontario 7

Justice and law enforcement
Winnipeg 6

Law
Alberta 3.5.6
British Columbia 3.6
Calgary 3.6
Dalhousie 1.3.6
Manitoba 3.6
McGill 1.3.6
New Brunswick 6
Queen's 3.6
Saskatchewan 3.5.6
Toronto 1.3.6
Victoria (BC) 6
Western Ontario 6
Windsor 6
York 1.3.6.8

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
7. Undergraduate diploma or certificate 8. Special certificate 9. Major or diploma 10. Minor or certificate

Law and business administration
Alberta 3.6
British Columbia 3.6
McGill 3.6
Ottawa 3.6
Western Ontario 3.6
Windsor 3

Law and justice
Laurentian 5.6

Law and philosophy
Western Ontario 3.6

Law and politics
Lakehead 10

Law and society
Calgary 6
York 6

Law enforcement and administration
Toronto 10

Legal studies
Carleton 6
Waterloo 10

Legislative drafting
Ottawa 5

Managerial law
Concordia (PQ) 10

Marine law
Dalhousie 3.6

Mediaeval law
St. Michael's 1.4

Paralegal technology
Cape Breton 7

Rédaction législative
Ottawa 5

Sciences juridiques
UQAM 6

Library science/ Bibliothéconomie

Archival studies
British Columbia 3

Archivistique
Laval 10
Montréal 10

Bibliothéconomie en éducation
Ottawa 8

Bibliothéconomie et sciences de l'information
Montréal 3

Gestion des documents administratifs et des archives
UQAM 8

Information science
Toronto 3

Library and information science
Lakehead 7
Toronto 1.3
Western Ontario 1.3

Library and information studies
Alberta 3
Dalhousie 3
McGill 3

Library science
British Columbia 3
Lakehead 7
Toronto 3

Library science in education
Alberta 5
Lethbridge 7
Ottawa 8
Regina 6
Victoria (BC) 7

Library studies
Concordia (PQ) 5.6.10
Lakehead 7

School librarianship
British Columbia 3
Lakehead 10
Toronto 3

Marine science/Sciences de l'eau

Affaires maritimes
UQAR 5

Fisheries
British Columbia 1.3
New Brunswick 3.6

Fisheries biology
Guelph 1.3.6

Marine sciences
British Columbia 1.3.6
Guelph 1.3.6
King's (NS) 6
Memorial 1.3.6
New Brunswick 1.3.6.7
Victoria (BC) 1.3.6

Ocean engineering
Memorial 1.3.6

Océanographie
UQAR 1.3

Oceanography
British Columbia 1.3
Dalhousie 1.3
King's (NS) 6
McGill 1.3
Royal Roads Military 3.6

Sciences de l'eau
Québec, INRS 1.3

Sciences et techniques de l'eau
UQAM 8

Mathematics/ Mathématiques

Actuarial and business mathematics
Manitoba 3.6

Actuarial mathematics
Concordia (PQ) 6
Lakehead 6
Simon Fraser 10

Actuarial science
Calgary 6
Lakehead 6
Manitoba 3.6
Toronto 6
Waterloo 3.6
Western Ontario 6

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Actuariat
Laval 6
Montréal 6

Analyse fonctionnelle
Ottawa 1.3

Analysis
Memorial 1

Applicable mathematics
Guelph 6

Applied computational and mathematical science
York 6

Applied mathematics
Alberta 6
British Columbia 1.3.6
Brock 6
Calgary 1.3.6
Carleton 1.3.6
Concordia (PQ) 6
Dalhousie 1.3.6
Guelph 1.3
King's (NS) 6
Manitoba 3.6
McGill 1.3.6
McMaster 3.6
Memorial 6.9
New Brunswick 6
Ottawa 1.3.6
Simon Fraser 6
Toronto 1.3.6
Trinity Western 6
Victoria (BC) 3
Waterloo 1.2.3.6
Western Ontario 1.3.6
Windsor 6
Winnipeg 6

Applied mathematics (chemistry option)
Western Ontario 6

Applied mathematics (continuum mechanics option)
Western Ontario 6

Applied mathematics (computer science)
Toronto 6
Waterloo 6
Western Ontario 6

Applied mathematics (engineering electives)
Waterloo 6

Applied mathematics (mathematical and computational methods)
Western Ontario 6

Applied mathematics (theoretical physics option)
McMaster 6
Western Ontario 6

Applied statistics
Carleton 3.6
Guelph 1.3.8
McGill 1.3
McMaster 3
Memorial 3.6.9
Ottawa 3

Applied statistics (engineering)
Waterloo 6

Applied statistics and computation
Carleton 3

Biomathematics
Dalhousie 3

Cognitive science
Simon Fraser 6.9

Cognitive science and artificial intelligence
Toronto 6

Combinatorics
St. Jerome's 6
Winnipeg 6

Combinatorics and optimization
Waterloo 1.2.3.6

Combinatorics and optimization (business administration option)
Waterloo 6

Combinatorics and optimization (chartered accountancy option)
Waterloo 6

Combinatorics and optimization (management accounting option)
Waterloo 6

Combinatorics and optimization with computer science
Waterloo 6

Computational mathematics
Simon Fraser 6

Computational science
McMaster 3
St. Thomas More 6
Saskatchewan 1.3.5.6

Functional analysis
Ottawa 1.3

General science
Cape Breton 6
New Brunswick 6
Wilfrid Laurier 6

Information science
Ottawa 3

Informatisation et traitement des données
Ottawa 3.6

Mathematical linguistics
Toronto 6

Mathematical physics
Alberta 1.3.6
Simon Fraser 6

Mathematical sciences
Carleton 6
McMaster 6
Toronto 6

Mathematical statistics
Ottawa 1.3
St. Jerome's 6
Toronto 6

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
7. Undergraduate diploma or certificate 8. Special certificate 9. Major or diploma 10. Minor or certificate

Mathematics
Acadia 3.6
Alberta 1.3.6
Bishop's 6
Brandon 6
British Columbia 1.3.6
British Columbia Open 10
Brock 6
Calgary 1.3.6
Campion 6
Camrose Lutheran 6
Cape Breton 6.7
Carleton 1.3.6
Concordia (AB) 6.10
Concordia (PQ) 6.10
Dalhousie 1.3.6
Guelph 3.6
King's (NS) 6
Lakehead 3.6
Laurentian 6
Lethbridge 6
Luther 6
Manitoba 1.3.6
McGill 1.3.6
McMaster 1.3.6
Memorial 1.2.3.6.9.10
Mount Allison 6
Mount Saint Vincent 6
New Brunswick 1.3.6
Ottawa 1.3.6
Prince Edward Island 6
Queen's 1.3.6
Redeemer 6
Regina 1.3.6
Royal Military 3
St. Francis Xavier 6
St. Jerome's 6
St. Thomas 6
St. Thomas More 6
Saskatchewan 1.3.5.6
SIFC 6
Simon Fraser 1.3.6.9.10
Toronto 1.3.6
Trent 6
Victoria (BC) 3.6
Waterloo 1.2.3.6
Western Ontario 1.3.6
Wilfrid Laurier 6
Windsor 1.3.6
Winnipeg 6
York 1.3.6

Mathematics, chemistry and physics
McGill 6

Mathematics and biology
Brock 6
King's (NS) 6
McGill 6
New Brunswick 6

Mathematics and chemistry
Brock 6
King's (NS) 6
McGill 6
New Brunswick 6

Mathematics and computer science
Prince Edward Island 6

Mathematics and computing science
Brock 6
Carleton 6
King's (NS) 6
McGill 6
St. Mary's 6
Simon Fraser 6
Trinity Western 6
Windsor 6

Mathematics and economics
Alberta 6
McMaster 6
Mount Allison 6

Mathematics and philosophy
McMaster 6
Toronto 6

Mathematics and physics
Mount Allison 6
New Brunswick 6
Ottawa 6
Toronto 6

Mathematics and statistics
Concordia (PQ) 3
Western Ontario 6

Mathematics for commerce
York 6

Mathematics with engineering
Prince Edward Island 6
Queen's 6

Mathématiques
Laval 1.3.6
Moncton 6.10
Montréal 1.3.6.9.10
Ottawa 1.3.6
Saint-Boniface 9.10
Sherbrooke 1.3.6.10
UQAM 1.3.6
UQTR 6
York 6

Mathématiques-administration
Sherbrooke 6

Mathématiques-économie
Montréal 6
Sherbrooke 6

Mathématiques-informatique
Montréal 6
UQAC 6
UQAR 6

Mathématiques-physique
Montréal 6
Ottawa 6

Mathématiques appliquées
Montréal 1.3.6
Ottawa 1.3
Polytechnique de Montréal 3

Mathématiques de l'ingénieur
Montréal 1
Polytechnique de Montréal 7

Mathématiques fondamentales
Montréal 6

Medical statistics
McMaster 3

Méthodes quantitatives
UQAM 8

Probability
Ottawa 1.3

Probability and statistics
Carleton 1.3
Ottawa 1.3
Queen's 6
Wilfrid Laurier 9

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Pure mathematics
Brock 6
Calgary 1.3.6
Carleton 1.3.6
Dalhousie 1.3.6
McGill 1.3.6
Memorial 6.9
Ottawa 1.3.6
Simon Fraser 6
Victoria (BC) 3
Waterloo 1.2.3.6
Wilfrid Laurier 9
Windsor 6
Winnipeg 6

Pure mathematics (computer science)
Waterloo 6

Pure mathematics (statistics)
Waterloo 6

Recherche opérationnelle
Sherbrooke 6

Statistics
British Columbia 1.3.6
Calgary 1.3.6
Campion 6
Carleton 1.3.6
Concordia (PQ) 6.10
Dalhousie 1.3.6
Guelph 3.6.8
King's (NS) 6
Manitoba 1.3.6
McMaster 3.6
Memorial 3.6.9.10
New Brunswick 1.3.6
Ottawa 1.3.6
Queen's 6
Regina 6
St. Jerome's 6
SIFC 6
Simon Fraser 1.3.6.9.10
Toronto 1.3.6
Victoria (BC) 3.6
Waterloo 1.2.3.6
Western Ontario 1.3.6
Wilfrid Laurier 9
Windsor 1.3.6
Winnipeg 6

Statistics - computer science
Waterloo 6

Statistics and applied probability
Alberta 1.3.6

Statistique
Laval 6.10
Montréal 1.3.6
Ottawa 1.3.6
Sherbrooke 6

Statistique appliquée
Moncton 10

Topology
Memorial 1

Medicine/Médecine

Allergie
Montréal 5

Analyse des systèmes de santé
Montréal 3

Anatomical pathology
Alberta 5
Calgary 5
Dalhousie 5
Saskatchewan 5
Toronto 5
Western Ontario 3.5

Anatomie
Montréal 1.3
Ottawa 1.3

Anatomie-pathologie
Laval 5
Montréal 5
Sherbrooke 5

Anatomy
British Columbia 1.3
Dalhousie 1.3.5
Manitoba 1.3.5
McGill 1.3.6
Ottawa 1.3
Queen's 1.3
Saskatchewan 1.3.5.6
Toronto 1.3
Western Ontario 1.3

Anatomy and cell biology
Alberta 1.3

Anesthesia
Alberta 5
British Columbia 5
Calgary 5
Dalhousie 5
Manitoba 5
McGill 5
McMaster 5
Memorial 5
Ottawa 5
Queen's 5
Saskatchewan 5
Toronto 5
Western Ontario 5

Anesthésie
Ottawa 5

Anesthésie-réanimation
Laval 5
Montréal 5
Sherbrooke 5

Applied sciences in medicine
Alberta 1.3

Bacteriology
Ottawa 1.3.5
Toronto 1.3

Biochemistry
Alberta 1.3.5.6
British Columbia 1.3
Dalhousie 1.3
Laurentian 6
Manitoba 1.3.5
McGill 1.3.6
McMaster 1.3.6
Ottawa 1.3.6
Queen's 3.6
Saskatchewan 1.3.5.6
Toronto 1.3.6
Western Ontario 1.3

Biochimie
Montréal 1.3.6
Ottawa 1.3.6
Sherbrooke 1.3

Biochimie clinique
Montréal 5

Biochimie médicale
Laval 5
Montréal 5
Sherbrooke 5

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
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Biologie cellulaire
Sherbrooke 1.3

Biomedical engineering
McGill 1.3
Toronto 1.3

Biopathologie cellulaire
Montréal 1.3

Biophysics
Toronto 1.3
Western Ontario 3

Biophysique
UQTR 1.3.6

Blood and cardiovascular systems
McMaster 1.3
Ottawa 5

Cardiologie
Laval 5
Montréal 5
Ottawa 5
Sherbrooke 5

Cardiology
Alberta 5
British Columbia 5
Calgary 5
Dalhousie 5
Ottawa 5
Queen's 5
Saskatchewan 5
Toronto 5
Western Ontario 5

Cardiovascular and thoracic surgery
Alberta 5
McGill 5
McMaster 5
Ottawa 5
Queen's 5
Toronto 5
Western Ontario 5

Cardiovascular sciences and epidemiology
Memorial 1.3

Chirurgie
Laval 5
Montréal 5
Ottawa 5

Chirurgie buccale
Laval 5

Chirurgie cardio-vasculaire et thoracique
Montréal 5
Ottawa 5
Sherbrooke 5

Chirurgie expérimentale
Laval 1.3

Chirurgie générale
Montréal 5
Sherbrooke 5

Chirurgie générale pédiatrique
Montréal 5

Chirurgie orthopédique
Laval 5
Montréal 5
Ottawa 5
Sherbrooke 5

Chirurgie plastique
Montréal 5

Chirurgie thoracique
Laval 5

Clinical and community medicine
Memorial 1.3

Clinical behavioral sciences
McMaster 5

Clinical chemistry
Dalhousie 5
Toronto 1.3.5

Clinical immunology and allergy
Western Ontario 5

Clinical neurological sciences
Western Ontario 5

Clinical pharmacology
Toronto 5
Western Ontario 5

Community health and epidemiology
Saskatchewan 3.5

Community health sciences
Manitoba 1.3

Community medicine
British Columbia 3
Calgary 5
Dalhousie 5
Ottawa 5
Toronto 5

Critical care
Alberta 5

Dermatologie
Laval 5
Montréal 5
Ottawa 5

Dermatology
Alberta 5
British Columbia 5
Dalhousie 5
Ottawa 5
Toronto 5
Western Ontario 5

Emergency medicine
Calgary 5
Queen's 5
Toronto 5
Western Ontario 5

Endocrinologie
Montréal 5
Sherbrooke 5

Endocrinologie-métabolisme
Laval 5

Endocrinology
Alberta 5
British Columbia 5
Dalhousie 5
Toronto 5

Endocrinology and metabolism
Memorial 1.3
Western Ontario 5

Epidémiologie
Montréal 1

Epidemiology
Dalhousie 5
Queen's 3

Explication des numéros

1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Toronto 1.3.5
Western Ontario 3

Epidemiology and biostatistics
McGill 1.3.5
Ottawa 3
Toronto 1.3
Western Ontario 1

Ergonomie
Montréal 5.10

Experimental medicine
Alberta 3
British Columbia 1.3
McGill 1.3

Experimental surgery
McGill 1.3

Family medicine
Alberta 5
British Columbia 5
Calgary 5
Dalhousie 5
Manitoba 5
McGill 5
McMaster 5
Ottawa 5
Queen's 5
Saskatchewan 5
Western Ontario 3.5

Gastro-entérologie
Montréal 5
Ottawa 5
Sherbrooke 5

Gastroenterology
Alberta 5
British Columbia 5
Dalhousie 5
Memorial 1.3
Toronto 5
Western Ontario 5

Genetic counselling
McGill 3.5

Geriatric
British Columbia 5

Geriatrics
Western Ontario 5

Gériatrie
Laval 5
Montréal 5
Sherbrooke 5

Geriatric medicine
Alberta 5
Dalhousie 5
Toronto 5

Gestion des services de santé
Montréal 3.10

Growth and development
McMaster 1.3

Health care practice
McMaster 3

Health sciences
British Columbia 3
McMaster 3
Queen's 6
Toronto 3

Hematological pathology
Alberta 5
Dalhousie 5
Toronto 5

Hématologie
Laval 5
Montréal 5
Sherbrooke 5

Hematology
Alberta 5
British Columbia 5
Dalhousie 5
Toronto 5
Western Ontario 5

Human communication disorders
Dalhousie 3
McGill 1.3

Human genetics
Memorial 1.3

Immunology
Alberta 1.3
Manitoba 1.3
Memorial 1.3
Ottawa 1.3
Toronto 1.3.5.6
Western Ontario 1.3.6

Industrial health
McMaster 8

Infectious diseases
Alberta 5
British Columbia 5
Dalhousie 5
Toronto 5

Inhalothérapie
Montréal 10

Internal medicine
Alberta 5
Calgary 5
Dalhousie 5
McMaster 5
Manitoba 3.5
Ottawa 5
Queen's 5
Saskatchewan 5
Toronto 5
Western Ontario 5

Laboratory medicine
Alberta 5
Dalhousie 5
McMaster 5
Ottawa 5
Western Ontario 5

Maternal-fetal medicine
Toronto 5

Médecine
Laval 1.3.5.6
Montréal 5.6
Ottawa 1.3.5.6
Sherbrooke 6

Médecine communautaire
Ottawa 5

Médecine d'urgence
Laval 5

Médecine et chirurgie expérimentales
Laval 1.3

Médecine familiale
Laval 5
Montréal 5
Ottawa 5
Sherbrooke 5

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
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Médecine familiale et d'urgence
Montréal 5

Médecine interne
Laval 5
Montréal 5
Ottawa 5
Sherbrooke 5

Médecine nucléaire
Montréal 5
Sherbrooke 5

Medical biochemistry
Western Ontario 5

Medical biochemistry and pathology
Alberta 5
Toronto 5

Medical biophysics
Dalhousie 1.3
Toronto 1.3

Medical cell biology
Toronto 1.3

Medical genetics
Toronto 1.3

Medical imaging
Saskatchewan 5

Medical laboratory science
Alberta 6
British Columbia 6
Lakehead 6

Medical microbiology
Alberta 1.3.5
British Columbia 5
Dalhousie 5
Manitoba 1.3
Ottawa 5
Toronto 1.3.5
Western Ontario 5

Medical radiation physics
McGill 3

Medical research science
Alberta 1

Medical science
Alberta 6
British Columbia 1.3
Calgary 1.3
McMaster 1.3
Memorial 6
Ottawa 6
Saskatchewan 6
Toronto 1.3

Medicine
Alberta 1.3.5.6
British Columbia 1.3.5.6
Calgary 1.3.5.6
Dalhousie 5.6
Manitoba 6.8
McGill 1.3.5.6
McMaster 1.3.5
Memorial 1.3.5.6
Ottawa 1.3.5.6
Queen's 3.6
Saskatchewan 1.3.5.6
Toronto 1.3.5.6
Western Ontario 3.5.6

Microbiologie
Ottawa 1.3
Sherbrooke 1.3

Microbiologie appliquée
Québec, IAF 3

Microbiologie et immunologie
Laval 1.3
Montréal 1.3
Ottawa 1.3

Microbiologie médicale et infectiologie
Laval 5
Montréal 5
Ottawa 5
Sherbrooke 5

Microbiology
Alberta 1.3.6
British Columbia 1.3.6
Calgary 5
Dalhousie 1.3.5.6
Manitoba 1.3.5.6
Ottawa 1.3
Queen's 1.3.6
Saskatchewan 1.3.5.6
Toronto 1.3.5.6
Western Ontario 3.6

Microbiology and biochemistry
Toronto 6

Microbiology and immunology
McGill 1.3.6
Ottawa 1.3
Queen's 1.3

Neo-natal-perinatal medicine
Toronto 5

Néphrologie
Laval 5
Montréal 5
Sherbrooke 5

Nephrology
Alberta 5
British Columbia 5
Toronto 5
Western Ontario 5

Neurobiologie
Laval 1.3

Neurochirurgie
Laval 5
Montréal 5
Sherbrooke 5

Neurologie
Laval 5
Montréal 5
Ottawa 5
Sherbrooke 5

Neurology
Alberta 5
British Columbia 3.5
Calgary 5
Dalhousie 5
McMaster 5
Ottawa 5
Queen's 5
Saskatchewan 5
Toronto 5
Western Ontario 3.5

Neurology and neurosurgery
Dalhousie 5
McGill 1.3

Neuropathology
Toronto 5
Western Ontario 5

Explication des numéros
1. Doctorat 2. Maitrise en philosophie 3. Maitrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Neuropsychiatry
Saskatchewan 1.3.5

Neuroscience
British Columbia 1.3
Carleton 1.3
Dalhousie 6
McMaster 1.3
Memorial 1.3
Ottawa 1.3
Toronto 1.3

Neuroscience (behavioral)
Laurentian 6

Neurosurgery
Alberta 5
Calgary 5
Dalhousie 5
Ottawa 5
Saskatchewan 5
Toronto 5
Western Ontario 5

Nuclear medicine
Alberta 5
British Columbia 5
Calgary 5
Dalhousie 5
Saskatchewan 5
Toronto 5
Western Ontario 5

Obstetrics and gynecology
Alberta 5
British Columbia 1.3.5
Calgary 5
Dalhousie 5
Manitoba 5.8
McMaster 5
Memorial 5
Ottawa 5
Queen's 5
Saskatchewan 5
Toronto 5
Western Ontario 3.5

Obstétrique et gynécologie
Laval 5
Montréal 5
Ottawa 5
Sherbrooke 5

Oncologie médicale
Montréal 5

Occupational medicine
Alberta 5

Oncology
Alberta 5
British Columbia 5
Queen's 1.3
Toronto 5
Western Ontario 5

Ophtalmologie
Laval 5
Montréal 5
Ottawa 5
Sherbrooke 5

Ophthalmology
Alberta 3.5
British Columbia 5
Dalhousie 5
Manitoba 5.6.8
McMaster 5
Ottawa 5
Queen's 5
Saskatchewan 5
Toronto 5
Western Ontario 3.5

Orthopedic surgery
Alberta 5
British Columbia 5
Calgary 5
Dalhousie 5
McMaster 5
Memorial 5
Ottawa 5
Queen's 5
Saskatchewan 5
Toronto 5
Western Ontario 5

Orthopédie
Ottawa 5

Otolaryngology
Alberta 5
Dalhousie 5
Manitoba 5.6.8
McGill 3
Ottawa 5
Queen's 5
Toronto 5
Western Ontario 3.5

Oto-rhino-laryngologie
Laval 5
Montréal 5
Ottawa 5
Sherbrooke 5

Pathological chemistry
Toronto 1.3

Pathologie
Ottawa 1.3
Sherbrooke 5

Pathology
Alberta 3.5
British Columbia 1.3.5
Dalhousie 3.5
Manitoba 3.5.8
McGill 1.3
Memorial 5
Ottawa 1.3.5
Queen's 1.3
Saskatchewan 1.3.5
Toronto 1.3.5
Western Ontario 1.3.5

Pediatrics
Alberta 1.3.5
British Columbia 5
Calgary 5
Dalhousie 5
Manitoba 3.5.8
McMaster 5
Memorial 5
Ottawa 5
Queen's 3
Saskatchewan 5
Toronto 5
Western Ontario 5

Pediatric surgery
Dalhousie 5
Toronto 5

Pédiatrie
Laval 5
Montréal 5
Ottawa 5
Sherbrooke 5

Pharmacologie
Montréal 1.3
Ottawa 1.3.5
Sherbrooke 1.3

Pharmacology
Alberta 1.3.6
British Columbia 1.3.6

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
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Dalhousie 1.3
Manitoba 1.3.5.8
McGill 1.3
Ottawa 1.3.5
Queen's 1.3
Saskatchewan 1.3.5
Toronto 1.3.6

Pharmacology and toxicology
Ottawa 1.3.5
Queen's 1.3.6
Western Ontario 1.3

Physiatrie
Laval 5
Montréal 5
Sherbrooke 5

Physical medicine and rehabilitation
Alberta 5
British Columbia 5
Dalhousie 5
Queen's 5
Toronto 5
Western Ontario 5

Physiologie
Montréal 1.3
Ottawa 1.3.6
Sherbrooke 1.3

Physiologie-endocrinologie
Laval 1.3

Physiology
Alberta 1.3.5.6
British Columbia 1.3.6
Manitoba 1.3.5
McGill 1.3.6
Ottawa 1.3.6
Queen's 1.3.6
Saskatchewan 1.3.5.6
Toronto 1.3.6
Western Ontario 1.3

Physiology-biophysics
Dalhousie 1.3

Physiology and physics
McGill 6

Plastic surgery
Alberta 5
Calgary 5
Dalhousie 5
Saskatchewan 5
Toronto 5
Western Ontario 5

Pneumologie
Laval 5
Montréal 5
Sherbrooke 5

Preventive medicine
Toronto 1.3.5

Psychiatrie
Laval 5
Montréal 5
Ottawa 5
Sherbrooke 5

Psychiatry
Alberta 1.3.5
British Columbia 3
Calgary 5
Dalhousie 5
Manitoba 3.5.8
McMaster 5
McGill 3.5
Memorial 5
Ottawa 5
Queen's 3.5
Saskatchewan 1.3.5
Toronto 5
Western Ontario 5

Pulmonary medicine
Alberta 5

Radiation oncology
Alberta 5
British Columbia 5
Dalhousie 5
Toronto 5
Western Ontario 3.5

Radiobiologie
Sherbrooke 1.3

Radiologie diagnostique
Laval 5
Montréal 5
Ottawa 5
Sherbrooke 5

Radiology-diagnostic
Alberta 3.5
British Columbia 5
Calgary 5
Dalhousie 5
Manitoba 5.8
McMaster 5
Memorial 5
Ottawa 5
Queen's 5
Toronto 5
Western Ontario 3.5

Radiology-therapeutic
Alberta 5
British Columbia 5
Dalhousie 5
Queen's 5
Toronto 5

Radio-oncologie
Laval 5
Montréal 5
Sherbrooke 5

Respiratory diseases
British Columbia 5
Dalhousie 5
Toronto 5

Respiratory medicine
Western Ontario 5

Rheumatology
Alberta 5
British Columbia 5
Dalhousie 5
Saskatchewan 5
Toronto 5
Western Ontario 5

Rhumatologie
Laval 5
Montréal 5
Sherbrooke 5

Sciences biomédicales
Montréal 1.3

Sciences cliniques
Sherbrooke 1.3

Sciences neurologiques
Montréal 1.3

Sexologie
UQAM 3.6

Sexualité humaine
Laval 10

Explication des numéros
1. Doctorat 2. Maitrise en philosophie 3. Maitrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Social and preventive medicine
Manitoba 6

Surgery
Alberta 1.3.5
British Columbia 3.5
Calgary 5
Dalhousie 5
Manitoba 3.5.8
McMaster 5
Memorial 5
Ottawa 5
Queen's 3
Saskatchewan 3.5
Toronto 5
Western Ontario 5

Thanatologie
UQAM 5

Therapeutics
Manitoba 3

Thoracic surgery
Alberta 5
Toronto 5
Western Ontario 5

Toxicologie
Montréal 5

Toxicology
Saskatchewan 1.3.5

Toxicomanies: prévention et intervention
Montréal 10

Urological surgery
Western Ontario 5

Urologie
Laval 5
Montréal 5
Ottawa 5
Sherbrooke 5

Urology
Alberta 5
Dalhousie 5
Memorial 5
Ottawa 5
Queen's 5
Toronto 5

Vascular surgery
British Columbia 5
Toronto 5
Western Ontario 5

Virologie
Montréal 1

Virologie et immunologie
Québec, IAF 1.3

Virology
McMaster 1.3
Ottawa 1.3

Music/Musique

Advanced music performance
Concordia (PQ) 5

Applied music
Alberta 3.6
Calgary 3
Campion 6
Dalhousie 6
Guelph 6
Memorial 6.9
SIFC 6
Windsor 6

Baroque music
Wilfrid Laurier 6

Canadian music
York 6

Church music
King's (AB) 7
Wilfrid Laurier 6
Windsor 7

Composition-English language program
Acadia 6
Alberta 3.6
British Columbia 1.3.6
Calgary 3.6
Carleton 6
Dalhousie 6
Manitoba 6
McGill 1.3.6
Mount Allison 6
Ottawa 6
Toronto 1.3.6
Victoria (BC) 6
Wilfrid Laurier 6
York 6

Composition-programme en langue française
Laval 3.6
Montréal 1.3.6
Ottawa 6

Conducting
Regina 9
York 6

Conducting-choral
Alberta 3

Contemporary music
Simon Fraser 6
York 6

Drama and music
Memorial 6.9

Early music performance
McGill 6

Education musicale
UQTR 6

Ethnomusicology
Alberta 3
British Columbia 3
Ottawa 6
York 3.6

General musical studies
Memorial 6.9
Wilfrid Laurier 6
York 6

Histoire et littérature musicales
Laval 6

Integrative music studies
Concordia (PQ) 6
York 6

Interprétation
Laval 3.6
Montréal 1.3.6
Ottawa 3.6

Jazz performance
McGill 6
St. Francis Xavier 6
York 6

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
7. Undergraduate diploma or certificate 8. Special certificate 9. Major or diploma 10. Minor or certificate

Jazz studies
Concordia (PQ) 6
St. Francis Xavier 7
York 6

Kodaly concept of music education
Calgary 5
York 6

Music
Acadia 6
Alberta 1.3.6
Bishop's 6
Brandon 6
British Columbia 1.3.6
Brock 6
Calgary 3.6
Campion 6
Camrose Lutheran 6
Carleton 6.7
Concordia (AB) 6.10
Concordia (PQ) 10
Dalhousie 6
Guelph 6
King's (AB) 6
Lakehead 6
Laurentian 6
Lethbridge 6
Luther 6
Manitoba 6
McGill 1.3.4.6.7
McMaster 6
Memorial 6.9
Mount Allison 6
Ottawa 3.6
Prince Edward Island 6
Queen's 6.8
Redeemer 6
Regina 3.6
St. Francis Xavier 6
St. Thomas More 6
Saskatchewan 3.5.6
SIFC 6
Toronto 1.3.4.5.6.7
Trinity Western 6
Victoria (BC) 1.3.6
Waterloo 6.10
Western Ontario 3.6
Wilfrid Laurier 6
Windsor 6
Winnipeg 6
York 3.6

Music criticism
McMaster 3

Music education
Brandon 3
British Columbia 6
McMaster 6
Memorial 6
Mount Allison 6
St. Francis Xavier 6
Toronto 3.6
Western Ontario 3.6
Wilfrid Laurier 9
York 6

Music history
Alberta 6
Brock 6
Campion 6
Carleton 6
Dalhousie 6
Guelph 6
Luther 6
Manitoba 6
McGill 6
Mount Allison 6
New Brunswick 6
Queen's 6
Regina 6
SIFC 6
Toronto 3.6
Victoria (BC) 6
Western Ontario 6
Wilfrid Laurier 6
York 6

Music history and art history
McGill 6
York 6

Music history and literature
British Columbia 6
Calgary 6
Memorial 6.9.10
St. Thomas More 6
Saskatchewan 6
Toronto 6
Windsor 6
York 6

Music history and theory
McMaster 6
York 6

Music theatre
Windsor 6

Music theory
Brock 6
Memorial 6.9
York 6

Music therapy
Wilfrid Laurier 6
Windsor 6

Musical arts
British Columbia 1
Western Ontario 6
Windsor 6

Musicologie
Laval 1.3
Montreal 1.3.6
Ottawa 3.6

Musicology
Alberta 3.6
British Columbia 3
Calgary 3
Carleton 6
McGill 1.3
Ottawa 3.6
Toronto 1.3
Victoria (BC) 1.3
Western Ontario 3
York 3.6

Musique
Laval 1.3.6
Moncton 6.10
Montréal 1.3.6
Ottawa 3.6
UQAM 6

Musique-enseignement professionnel
Moncton 6
Ottawa 6

Musique (générale)
Montréal 6

Operatic performance
Toronto 5
Wilfrid Laurier 7

Operatic production
British Columbia 3.6

Performance
Acadia 6
Alberta 1.3.6

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Brandon 3.6
British Columbia 1.3.6
Brock 6
Calgary 6
Campion 6
Concordia (PQ) 6
Dalhousie 6
Guelph 6
Luther 6
Manitoba 6
McGill 3.5.6
Mount Allison 6
Ottawa 3.6
Queen's 6
Regina 3.6
St. Thomas More 6
Saskatchewan 6
SIFC 6
Toronto 3.4.6.7
Victoria (BC) 3.6
Western Ontario 3.6.7
Wilfrid Laurier 6.7
Windsor 6
York 6
School music
Calgary 3.6
McGill 1.3
Windsor 6

Selected studies
Concordia (PQ) 6

Sound recording
McGill 3

Symphonic band and wind ensemble
Calgary 5
York 6

Systematic musicology
Western Ontario 1

Techniques d'écriture
Montréal 3.6

Théorie
Ottawa 3.6

Theory
Alberta 3.6
British Columbia 3.6
Calgary 6
Dalhousie 6
McGill 1.3.6
Ottawa 3.6
Queen's 6
Toronto 1.3.6
Victoria (BC) 6
Wilfrid Laurier 6
York 6

Theory/Composition
Concordia (PQ) 6
Memorial 6.9
Mount Allison 6
St. Thomas More 6
Saskatchewan 6
Western Ontario 3.6
York 6

Nursing/Sciences infirmières

Administration
Dalhousie 3
Toronto 3

Adult intensive care nursing
Ryerson 8

Community and primary health care nursing
Memorial 6.7

Community health nursing
Dalhousie 3.7
Ottawa 6
Toronto 3

Critical care nursing
Alberta 8

Culture scientifique et technologique
Québec,
Télé-université 8

Curriculum development
Dalhousie 3

Gerontology
Toronto 3

Health sciences
McMaster 3

Medical and surgical nursing
Toronto 3

Milieu clinique
Montréal 10

Native nursing entry program
Lakehead 6

Neo-natal nursing
Alberta 8

Nephrology nursing
Alberta 8

Nurse-midwifery
Memorial 7

Nursing
Alberta 3.6.8
Brandon 6
British Columbia 3.6
Calgary 3.6
Dalhousie 3.6.7
Lakehead 6
Laurentian 6
Lethbridge 6
Manitoba 3.6
McGill 3.6
McMaster 6
Memorial 3.6
New Brunswick 6
Ottawa 6
Queen's 6
Ryerson 6
St. Francis Xavier 6
Saskatchewan 3.5.6
Toronto 3.6
Victoria (BC) 6
Western Ontario 6
Windsor 6.7

Nursing communautaire
Ottawa 6
UQAC 8
UQAR 8
UQAT 8
UQTR 8

Nursing education
Western Ontario 3

Nursing service administration
Western Ontario 3

Outpost and public health nursing
Dalhousie 7
Memorial 7

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
7. Undergraduate diploma or certificate 8. Special certificate 9. Major or diploma 10. Minor or certificate

Parent and child
Toronto 3

Psychiatric nursing
Toronto 3

Public health nursing
Windsor 7

Santé communautaire
Laval 3.10
Montréal 10
Sherbrooke 5
UQAR 8

Santé mentale
UQAH 8
UQAT 8

Sciences de la santé
Moncton 7

Sciences infirmières
Laurentienne 6
Laval 5.6
Moncton 6
Montréal 3.6
Ottawa 6
Sherbrooke 6
UQAC 6
UQAH 6
UQAR 6
UQAT 6
UQTR 6

Sciences et société
Montréal 10

Soins infirmiers
Sherbrooke 10

Soins infirmiers cliniques
UQAH 8
UQAT 8

Soins de santé mentale et nursing psychiatrique
Moncton 8

Optometry/Optométrie

Optique physiologique
Montréal 3

Optometric residency
Waterloo 5

Optométrie
Montréal 6

Optometry
Waterloo 5.6

Physiological optics
Waterloo 1.3

Period studies/ Grands courants

Archéologie classique
Laval 1.3.10

Civilisation ancienne
Laval 10

Classical and early Christian studies
Calgary 6

Classical history and civilization
Calgary 6
Ottawa 1.3.6
Windsor 6
Winnipeg 6

Classical studies
Bishop's 6
British Columbia 1.3.6
Brock 6
Carleton 6
Concordia (PQ) 6.10
Guelph 6
Laurentian 6
Manitoba 6
McMaster 3.6
Memorial 6.9.10
Mount Allison 6
Ottawa 1.3.6
Saskatchewan 6
Toronto 1.3.6
Victoria (BC) 6
Waterloo 6
Western Ontario 6
Windsor 6
Winnipeg 6
York 6

Classics
Brock 6
Lakehead 10
McGill 1.3.6
McMaster 3
Memorial 6.9.10
Mount Allison 6
New Brunswick 3.6
Prince Edward Island 10
St. Thomas More 6
Saskatchewan 3.5.6
Toronto 6
Western Ontario 3.6
Winnipeg 6

Classics and linguistics
McGill 6

Eighteenth century studies
McMaster 6

Etudes anciennes
Laval 1.3.6
Montréal 1.3
Ottawa 1.3.6

Etudes classiques
Montréal 9.10

Etudes médiévales
Montréal 10
Ottawa 6

Medieval and Renaissance studies
Manitoba 6
Mount Allison 6

Medieval studies
British Columbia 6
Carleton 6
Ottawa 6
St. Michael's 1.4
Toronto 1.3.6
Waterloo 6

Renaissance studies
Toronto 6

Roman studies
McMaster 1
Ottawa 3.6
Toronto 6

Sciences médiévales
Montréal 1.3

Victorian studies
Toronto 1.3.6
York 3

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Pharmacy/Pharmacie

Biology and pharmacology
McMaster 6

Bionucleonics
Alberta 1.3
British Columbia 1.3

Biopharmaceutics
Alberta 1.3
British Columbia 1.3
Dalhousie 3

Chimie médicinale
Montréal 1.3

Clinical pharmacy
Alberta 1.3
British Columbia 1.3

Community pharmacy
British Columbia 6

Drug analysis
Alberta 1.3

Drug distribution
British Columbia 6

Drug metabolism
Alberta 1.3

Hospital pharmacy
Alberta 1.3
British Columbia 6
Dalhousie 3.6

Industrial pharmacy
British Columbia 6

Medicinal chemistry
Alberta 1.3

Neurochemistry
Alberta 1.3

Pharmaceutical chemistry
Alberta 1.3
British Columbia 1.3
Toronto 1.3

Pharmaceutical microbiology
Manitoba 3

Pharmaceutics
Alberta 1.3
British Columbia 1.3
Dalhousie 3

Pharmacie
Laval 1.3.6
Montréal 6

Pharmacie d'hôpital
Laval 5
Montréal 5

Pharmacodynamie biochimique
Montréal 1.3

Pharmacognosie
Montréal 1.3

Pharmacognosy
Alberta 1.3
Dalhousie 3
Manitoba 3

Pharmacologie
Ottawa 1.3.5

Pharmocology
Alberta 1.3
British Columbia 1.3
Dalhousie 1.3
Guelph 1.3
McGill 1.3
Ottawa 1.3.5
Saskatchewan 1.3.5
Toronto 1.3.6

Pharmacology and toxicology
Western Ontario 1.3

Pharmacy
Alberta 1.3.6
British Columbia 1.3.6
Dalhousie 1.3.6
Manitoba 3.6
Memorial 6
Saskatchewan 1.3.5.6
Toronto 1.3.6

Physical pharmacy
Alberta 1.3

Product development
British Columbia 6

Radiopharmacy
Alberta 1.3
British Columbia 1.3

Sciences pharmaceutiques
Montréal 1.3

Toxicologie
Montréal 5

Toxicology
Alberta 1.3
British Columbia 1.3
Guelph 1.3.6
Saskatchewan 1.3.5
Toronto 1.3.6

Toxicomanies (prévention et intervention)
Montréal 10
Sherbrooke 10

Philosophy/Philosophie

Aesthetics
British Columbia 1.3
Ottawa 1.3

Classical philosophy
Dalhousie 3.6
King's (NS) 6
Ottawa 1.3.6
St. Jerome's 6

Cognitive science
Ottawa 1.3.6
Simon Fraser 6.9
Toronto 6

Contemporary Anglo-American philosophy
Ottawa 1.3.6

Contemporary continental philosophy
Ottawa 1.3.6

Eastern philosophy
Brock 3.6

Epistémiologie
Ottawa 1.3.6

Epistemology
British Columbia 1.3
Ottawa 1.3.6

Ethics
British Columbia 1.3
Laurentian 6

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
7. Undergraduate diploma or certificate 8. Special certificate 9. Major or diploma 10. Minor or certificate

Ottawa 1.3.6
St. Jerome's 6
Sudbury 10

Ethics and political philosophy
Memorial 6.9.10

Ethique
Laurentienne 6
Ottawa 1.3.6
Sudbury 10
UQAR 3

Histoire et philosophie de la science
Ottawa 1.3.6

History and philosophy of science
Ottawa 1.3.6
Toronto 6

Humanities and psychoanalytic thought
Ottawa 1.3.6
Toronto 6

Logic
British Columbia 1.3
Ottawa 3.6
Toronto 6

Logic and philosophy of science and technology
Ottawa 1.3.6
Toronto 3

Logique
Ottawa 3.6

Logique et philosophie de la science et de la technologie
Ottawa 1.3.6

Medicine, morality and the law
Toronto 6

Medieval philosophy
Dalhousie 6
King's (NS) 6
Manitoba 6
Ottawa 1.3.6
St. Michael's 1.4
Toronto 1.3

Modern philosophy
Ottawa 1.3.6

Natural and human science
Memorial 6.9.10

Ontologie et métaphysique
Ottawa 1.3.6

Ontology and metaphysics
Ottawa 1.3.6

Phénoménologie et existentialisme
Ottawa 1.3.6

Phenomenology and existentialism
Ottawa 1.3.6

Philosophie
Dominicain de philosophie 3.6.8
Laurentienne 6
Laval 1.3.6.9.10
Moncton 3.6.10
Montréal 1.3.6.9.10
Ottawa 1.3.6
Saint-Boniface 9.10
Saint-Paul 1.4.6
Sherbrooke 3.6.10
Sudbury 6
UQAM 1.3.6
UQAR 8
UQTR 1.3.6
York 6

Philosophie ancienne
Ottawa 1.3.6

Philosophie contemporaine continentale
Ottawa 1.3.6

Philosophie de droit
Ottawa 1.3.6

Philosophie de la psychanalyse
Ottawa 1.3.6

Philosophie de la science
Ottawa 1.3.6

Philosophie du langage
Ottawa 1.3.6

Philosophie et études littéraires
Ottawa 1.3.6

Philosophie médiévale
Ottawa 1.3.6

Philosophie moderne
Ottawa 1.3.6

Philosophie politique
Ottawa 1.3.6

Philosophy
Acadia 6
Alberta 1.3.6
Bishop's 6
Brandon 6
Brescia 6
British Columbia 1.3.6
Brock 3.6
Calgary 1.3.6
Campion 6
Cape Breton 6.7
Carleton 3.6
Concordia (AB) 10
Concordia (PQ) 3.6.10
Dalhousie 3.6
Guelph 1.3.6
Huron 6
King's (AB) 6
King's (NS) 6
King's (ON) 6
Lakehead 6
Laurentian 6
Lethbridge 6
Luther 6
Manitoba 3.6
McGill 1.3.6
McMaster 1.3.6
Memorial 3.6.9.10
Mount Allison 6
Mount Saint Vincent 6
New Brunswick 3.6
Ottawa 1.3.6
Prince Edward Island 6
Queen's 1.3.6
Redeemer 6
Regina 1.6
St. Francis Xavier 6
St. Jerome's 6
Saint Mary's 3.6
St. Michael's 1.4.6
Saint Paul 1.4.6
St. Thomas 6

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

St. Thomas More 6
Saskatchewan 3.5.6
SIFC 6
Simon Fraser 3.6.9.10
Sudbury 6
Toronto 1.3.6
Trent 6
Trinity 6
Trinity Western 6
Victoria (BC) 3.6
Waterloo 1.2.3.6.10
Western Ontario 1.3.6
Wilfrid Laurier 6
Windsor 3.6
Winnipeg 6
York 1.3.6

Philosophy (legal specialization)
Western Ontario 1

Philosophy and biology
King's (NS) 6
McMaster 6

Philosophy and economics
King's (NS) 6
Lakehead 6
Toronto 6

Philosophy and English
King's (NS) 6
Mount Allison 6
Toronto 6

Philosophy and German
King's (NS) 6
Toronto 6

Philosophy and Greek
Mount Allison 6
Toronto 6
Wilfrid Laurier 6

Philosophy and history
King's (NS) 6
Lakehead 6
Mount Allison 6
Toronto 6

Philosophy and history of education
Concordia (PQ) 3

Philosophy and history of science
Western Ontario 6

Philosophy and linguistics
Toronto 6

Philosophy and literary studies
Ottawa 1.3.6
Toronto 6

Philosophy and mathematics
King's (NS) 6
McGill 6
McMaster 6
Toronto 6

Philosophy and political science
King's (NS) 6
Lakehead 6
Mount Allison 6
Toronto 6

Philosophy and psychology
Mount Allison 6

Philosophy and religious studies
Mount Allison 6
Toronto 6

Philosophy and sociology
King's (NS) 6
Lakehead 6
Mount Allison 6
Toronto 6

Philosophy applied to life sciences
Toronto 6

Philosophy of education
British Columbia 3
McGill 3
OISE 1.3

Philosophy of language
British Columbia 1.3
Ottawa 1.3.6

Philosophy of law
Ottawa 1.3.6

Philosophy of mathematics
British Columbia 1.3

Philosophy of science
British Columbia 1.3
Ottawa 1.3.6
Toronto 1.3

Political philosophy
British Columbia 1.3
Concordia (PQ) 6
Ottawa 1.3.6
Toronto 3.6

Science and human affairs
Concordia (PQ) 6.10

Science cognitive
Ottawa 1.3.6

Western thought
Memorial 6.9.10

Physical education and recreation/Education physique et récréation

Activité physique
Laval 1.3.6.10
Ottawa 6
Sherbrooke 6.10

Adapted human biodynamics
McMaster 3

Adapted movement studies
Brock 6

Adapted physical activity
Alberta 1.3.6
Concordia (PQ) 6
Regina 10

Administration, éducation physique
Ottawa 3

Administration des sports
Laurentienne 6
Ottawa 3.6

Advanced coaching
York 8

Applied kinesiology
Windsor 6

Applied physiology
Simon Fraser 6

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
7. Undergraduate diploma or certificate 8. Special certificate 9. Major or dploma 10. Minor or certificate

Aquatics
British Columbia 6

Arts and recreation
Alberta 6

Athletic studies
New Brunswick 3

Athletic therapy
Alberta 1.3.6
Concordia (PQ) 6

Biomechanics
McGill 3
Ottawa 6
Waterloo 1.3

Biomécanique
Ottawa 6

Bioscience
Western Ontario 3

Child movement studies
Brock 6

Coaching
Alberta 1.3.6
British Columbia 6
Brock 6
Calgary 3
Lakehead 3
McMaster 8
New Brunswick 6
Ottawa 6
Trinity Western 10
Wilfrid Laurier 6
Windsor 6
York 8

Community development and leisure services
Alberta 6

Community fitness science
Concordia (PQ) 6

Community recreation
Ottawa 7

Comportement psycho-moteur et performance
Ottawa 6

Education physique
Laurentienne 6
Laval 6
Moncton 6
Montréal 3.6
Ottawa 3.6

Education physique (leadership: activités physiques de plein air)
Laurentienne 6

Education physique (promotion de la santé)
Laurentienne 6

Entraînement sportif
Ottawa 6

Exercise and sports science
York 3

Exercise physiology
Alberta 1.3

Exercise science
Acadia 6
British Columbia 6
Concordia (PQ) 6
Toronto 1.3

Fitness assessment and exercise counselling
York 8

Fitness and health promotion
Alberta 6
British Columbia 6

Formation au plein air
UQAM 8

Gestion des ressources récréatives
Ottawa 7

Gymnastics
British Columbia 6

Health and fitness studies
Simon Fraser 10

Health behavior
Waterloo 3

Health science
Toronto 6

Health studies
Brock 6
Dalhousie 6
Simon Fraser 8
Waterloo 1.3.6
York 6

Heritage interpretation
Alberta 6

History of sport
Alberta 1.3

Human functional response to exercise
Western Ontario 1

Human kinetics
Dalhousie 6
Guelph 6
Ottawa 3.6
Windsor 3.6

Human performance
Alberta 1.3
New Brunswick 3.6
Victoria (BC) 6

Intervention en activité physique
Sherbrooke 5

Kinanthropologie
Ottawa 3.6
Sherbrooke 3
UQAM 3

Kinanthropology
Ottawa 3.6

Kinesiology
Dalhousie 6
Laurentian 6
Simon Fraser 1.3.5.6.9.10
Waterloo 1.3.6
Windsor 6

Leisure and culture
Alberta 6

Leisure and tourism
Alberta 6

Leisure studies
Acadia 6
Alberta 3.6
British Columbia 6

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Concordia (PQ) 6
Dalhousie 3
Ottawa 6
Saskatchewan 6
Toronto 6
Waterloo 6

Leisure tourism and society
Acadia 6
Calgary 6

Loisir, sciences du
Ottawa 6

Loisir communautaire
Ottawa 7

Motor performance
Alberta 1.3
British Columbia 6

Occupational science
Simon Fraser 5

Outdoor education
Alberta 1.3.6
Concordia (PQ) 10

Outdoor recreation
Acadia 6
Alberta 3.6
Calgary 6
Lakehead 6

Outdoor recreation and geography
Lakehead 6

Outdoor recreation and natural science
Lakehead 6

Parks, tourism and outdoor recreation
Lakehead 6

Physical activity
Ottawa 6

Physical activity and sport for children
Alberta 6

Physical activity leadership
Alberta 6

Physical activity studies (adapted physical education)
Regina 6.8

Physical education (adventure leadership)
Laurentian 6

Physical education (health promotion)
Laurentian 6

Physical education
Acadia 6
Alberta 1.3.6
British Columbia 3.6
Brock 6
Calgary 3.6
Camrose Lutheran 6
Dalhousie 3.6
King's (ON) 6
Lakehead 3.6
Laurentian 6
Lethbridge 6
Manitoba 3.6
McGill 3.6
McMaster 3.6
Memorial 3.6
New Brunswick 3.6
Ottawa 3.6
Queen's 3.6
Redeemer 6
Regina 6
St. Francis Xavier 6
Saskatchewan 1.3.5.6
Toronto 6
Trinity Western 6
Western Ontario 3.6
Wilfrid Laurier 6
Windsor 3.6
York 3.6

Physical education administration
New Brunswick 3
Ottawa 3

Physiology and psychology of stress
York 3

Physiology of exercise
New Brunswick 3
York 3

Planning and management of recreation environments
Alberta 6

Psychology of sport
Alberta 1.3
York 3

Psychology/Sociology of sport studies
Brock 6

Psycho-motor behavior and performance
Alberta 1.3
Ottawa 6

Récréation
Moncton 6
Ottawa 6

Recreation
Acadia 3.6
Brock 6
Dalhousie 6
Memorial 6
New Brunswick 6
Ottawa 6
Trinity Western 10

Recreation and leisure studies
Acadia 6
Alberta 3
Brock 6
Lethbridge 6
Manitoba 6
Waterloo 3.6

Recreation for special populations
Alberta 6

Recreation management
New Brunswick 6
Ottawa 6.7

Recreation through physical activity
Alberta 6

Recreational studies
Winnipeg 6

Récréologie
Ottawa 6
UQTR 6

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
7. Undergraduate diploma or certificate 8. Special certificate 9. Major or diploma 10. Minor or certificate

Sciences de l'activité physique
Laval 1.3.6.10
Montréal 1.3
Ottawa 3.6
UQAC 6.8
UQTR 3.6

Sciences du loisir
UQTR 3

Sociocultural
Alberta 1.3

Sociology of sport
Alberta 1.3

Sport studies
Alberta 6
British Columbia 6
Toronto 6
Winnipeg 6

Sports administration
Alberta 1.3.6
Concordia (PQ) 5
Laurentian 6
Ottawa 3.6
Windsor 6
York 8

Sports science
Simon Fraser 6

Teaching and coaching
Windsor 6

Therapeutic recreation
Concordia (PQ) 6

Tourism and outdoor recreation
Lakehead 6

Tourism and recreation
Lakehead 10

Physics/Physique

Aerospace physics
Toronto 1.3
York 1.3

Applied geophysics
Dalhousie 1.3
McGill 3.5.6

Applied physics
CMR de Saint-Jean 6
Guelph 1.3
Laurentian 3
McMaster 6
New Brunswick 6
Simon Fraser 6.9
Waterloo 6
York 1.3

Applied science
Royal Military 6

Astronomie
Montréal 10

Astronomy
British Columbia 1.3.6
Campion 6
Laurentian 10
Luther 6
Manitoba 6
McMaster 1.3
Queen's 1.3.6
Regina 3.6
Saint Mary's 3.6
SIFC 6
Toronto 1.3.6
Victoria (BC) 1.3.6
Western Ontario 1.3.6
York 1.3.6

Astrophysics
Alberta 1.3
Calgary 1.3.6
Guelph 1.3
McMaster 1.3
Queen's 1.3.6
Toronto 6
York 1.3.6

Atmosphere physics
Toronto 1.3
York 1.3.6.8

Atomic and molecular physics
Guelph 1.3
Memorial 1
Ottawa 1.3
Toronto 1.3
York 1.3

Biophysics
Alberta 1.3
Dalhousie 1.3
Guelph 1.3.6
McMaster 3
New Brunswick 1.3
Toronto 6
Western Ontario 6

Biophysique
UQTR 1.3.6

Chemical physics
Calgary 6
Campion 6
Guelph 6
Luther 6
McMaster 1.3
Memorial 6
Queen's 6
Regina 6
Simon Fraser 6
Toronto 6
Trent 6
York 1.3.6

Condensed matter physics
Memorial 1

Earth and space science
York 1.3

Earth physics
York 1.3.6

Experimental physics
Concordia (PQ) 6
Ottawa 1.3
Toronto 1.3
York 6

Experimental space science
York 1.3

Fluid physics
Victoria (BC) 1.3

Geophysics
Alberta 1.3.6
British Columbia 1.3.6
Calgary 1.3.6
Dalhousie 1.3
Manitoba 1.3
Memorial 1.3.6.9
Ottawa 6
St. Thomas More 6
Saskatchewan 1.3.5.6
Toronto 1.3.6
Victoria (BC) 1.3

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Western Ontario 1.3.6
York 1.3.6

Géophysique
Ottawa 6

Halth and radiation physics
McMaster 3.6

High energy physics
Carleton 1.3
Toronto 1.3
York 1.3

Laser physics
McMaster 1.3
Toronto 1.3
York 1.3

Mathematics and physics
British Columbia 1.3.6
Brock 6
Carleton 6
King's (NS) 6
Mount Allison 6
New Brunswick 6
Royal Military 6
Toronto 6
Wilfrid Laurier 9
York 1.3

Mathematics physics
Alberta 1.3.6
CMR de Saint-Jean 6
Guelph 10
Lakehead 6
Manitoba 6
Ottawa 6
Queen's 6
Simon Fraser 6
York 1.3

Mathématiques et physique
Ottawa 6
Royal Military 6

Medical physics
Carleton 1.3
Manitoba 1.3
McMaster 1.3
Toronto 1.3

Medical radiation physics
McGill 3

Nuclear and particle physics
Ottawa 1.3
York 1.3

Nuclear magnetic resonance
Victoria (BC) 1.3

Nuclear physics
Alberta 1.3
Carleton 1.3
Toronto 1.3
York 1.3

Nuclear science
Simon Fraser 10

Oceans and atmosphere, dynamics of
British Columbia 6
McGill 6
York 1.3

Physics
Acadia 6
Alberta 1.3.6
Bishop's 6
Brandon 6
British Columbia 1.3.6
Brock 3.6
Calgary 1.3.6
Campion 6
Camrose Lutheran 6
Carleton 1.3.6
CMR de Saint-Jean 6
Concordia (PQ) 1.3.6.10
Dalhousie 1.3.6
Guelph 1.3.6
King's (NS) 6
Lakehead 3.6
Laurentian 3.6
Lethbridge 6
Luther 6
Manitoba 1.3.6
McGill 1.3.6
McMaster 1.3.6
Memorial 1.3.6.9.10
Mount Allison 6
New Brunswick 1.3.5
Ottawa 1.3.6
Prince Edward Island 6
Queen's 1.3.6
Redeemer 10
Regina 1.3.6
Royal Military 3
Royal Roads Military 6
St. Francis Xavier 3.6
Saint Mary's 6
St. Thomas More 6
Saskatchewan 1.3.5.6
SIFC 6
Simon Fraser 1.3.6.9.10
Toronto 1.3.6
Trent 3.6
Victoria (BC) 1.3.6
Waterloo 1.3.6
Western Ontario 1.3.6
Wilfrid Laurier 6
Windsor 1.3.6
Winnipeg 6
York 1.3.6

Physics-chemistry
Memorial 6

Physics-computer science
Memorial 6
Western Ontario 6
Windsor 6

Physics-geology
Carleton 6
Concordia (PQ) 6
New Brunswick 6
Toronto 6

Physics-marketing
Concordia (PQ) 6

Physics-mathematics
Memorial 6

Physics (geophysics option)
Waterloo 6

Physics (teaching option)
Waterloo 6

Physique
CMR de Saint-Jean 6
Laval 1.3.6.
Moncton 3.6.10
Montréal 1.3.6.9.10
Ottawa 1.3.6
Sherbrooke 1.3.6.10
UQAC 6
UQAM 6
UQTR 3.6

Physique-mathématique
CMR de Saint-Jean 6
Montréal 6

Key
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Physique appliquée
CMR de Saint-Jean 6

Physique de la matière condensée
Ottawa 1.3

Physique des particules
Ottawa 1.3

Radiation and medical physics
Alberta 1.3

Reactor physics
McMaster 1.3

Sciences de l'énergie
Québec, INRS 1.3
UQTR 1

Sciences spatiales
CMR de Saint-Jean 6
Royal Military 6

Scientific measurement (physics)
Concordia (PQ) 10

Solid earth geophysics
McGill 6
York 1.3

Solid earth physics
Alberta 6

Solid state physics
Alberta 1.3
McMaster 1.3
Ottawa 1.3
York 1.3

Space and communications sciences
York 6

Space physics
Alberta 6

Space science
Royal Roads Military 6

Spectroscopy
McMaster 1.3
York 1.3

Theoretical physics
Alberta 1.3
Carleton 1.3
Concordia (PQ) 6
Dalhousie 1.3
Guelph 6
McMaster 1.3.6
Ottawa 1.3
Queen's 6
Toronto 1.3
Victoria (BC) 1.3
York 1.3.6

Political science/ Sciences politiques

Analyse des politiques
Laval 3

Canadian and Quebec politics
Ottawa 6

Canadian American relations
Wilfrid Laurier 3

Canadian government and politics
Guelph 3

Canadian politics
Acadia 6
Alberta 1.3
Brock 3
Carleton 1.3.6
Dalhousie 3.6
King's (NS) 6
McMaster 3
Ottawa 3.6
Toronto 1.3.6
Winnipeg 6
York 3.6

Comparative political studies
Alberta 1.3
Brock 3.6
Carleton 1.3
Dalhousie 3.6
King's (NS) 6
McMaster 3
Ottawa 3.6
Toronto 1.3.6
Winnipeg 6
York 1.3.6

Coopération
Ottawa 5

Development studies
Toronto 3
Trent 6

Développement international
Ottawa 5

Empirical theory and methodology
York 1.3.6

Etudes militaires et stratégiques
CMR de Saint-Jean 6

Etudes politiques
Sherbrooke 10

Foreign policy
McMaster 3

German and political science
McMaster 6

International cooperation
Ottawa 5

International development
Guelph 6
King's (NS) 6
Ottawa 3.5

International development studies
King's (NS) 6

International politics
Alberta 1.3
King's (NS) 6
Lakehead 10
Toronto 1.3.6

International relations
British Columbia 1.3.6
Brock 6
Carleton 1.3
Dalhousie 3.6
King's (NS) 6
Ottawa 3.6
Toronto 1.3.6
Trinity 6
Windsor 6
Winnipeg 6
York 1.3.6

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Judicial administration
Brock 3

Law and politics
Lakehead 10

Management et politique publics
Ottawa 6

Military and strategic studies
Royal Military 6
Royal Roads Military 6

Pensée politique
Ottawa 3.6

Political and economic science
Royal Military 6

Political administration
Brock 6
Wilfrid Laurier 3

Political behavior and psychology
Alberta 1.3

Political economy
Bishop's 6
Carleton 1.3
Toronto 1.3.6

Political philosophy
Alberta 1.3

Political science
Acadia 3.6
Alberta 1.3.6
Bishop's 6
Brandon 6
British Columbia 1.3.6
Brock 3.6
Calgary 1.3.6
Campion 6
Camrose Lutheran 6
Cape Breton 6.7
Carleton 1.3.6
Concordia (AB) 10
Concordia (PQ) 6.10
Dalhousie 1.3.6
King's (NS) 6
King's (ON) 6
Lakehead 6
Laurentian 6
Lethbridge 6
Luther 6
Manitoba 3.6
McGill 1.3.6
McMaster 3.6
Memorial 2.3.6.9.10
Mount Allison 6
Mount Saint Vincent 6
New Brunswick 3.6
Ottawa 3.6
Queen's 1.3.6
Redeemer 6
Regina 3.6
St. Francis Xavier 6
Saint Mary's 6
St. Thomas 6
SIFC 6
Simon Fraser 3.6.9.10
Toronto 1.2.3.6
Trent 6
Victoria (BC) 3.6
Waterloo 3.6.10
Western Ontario 1.3.6
Wilfrid Laurier 3.6
Windsor 3.6
Winnipeg 6
York 6

Political science (administration studies)
Waterloo 6

Political science and economics
Brock 6
King's (NS) 6
McGill 6
McMaster 6
Mount Allison 6
Toronto 6

Political science and English
Mount Allison 6

Political science and French
Simon Fraser 6.9
Western Ontario 6

Political science and history
Mount Allison 6
Simon Fraser 6.9

Political science and philosophy
Mount Allison 6

Political science and sociology
King's (NS) 6
Mount Allison 6
Toronto 6

Political studies
Guelph 3.6
Lakehead 6
Prince Edward Island 6
St. Thomas More 6
Saskatchewan 3.5.6
Trent 6

Political theory
Carleton 1.3
McMaster 3
Toronto 1.3.6
York 1.3.6

Political theory and methodology
Carleton 1.3.6
Dalhousie 1.3.6
King's (NS) 6
Winnipeg 6

Political thought
Ottawa 3

Politics
Royal Military 6
Trent 6

Politics and geography
Royal Military 6

Politics and labor studies
Brock 6

Politics and policy making in Atlantic Canada
Memorial 2.3

Politique
Ottawa 3
Saint-Boniface 9.10

Politique canadienne
Ottawa 3.6

Politique internationale et comparée
Ottawa 3

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
7. Undergraduate diploma or certificate 8. Special certificate 9. Major or diploma 10. Minor or certificate

Public administration and policy analysis
Carleton 1.3

Public administration and political science
Brock 8
Toronto 3.6

Public policy
Acadia 6
Manitoba 3.6

Public policy and administration
Guelph 3.6
Toronto 1.3
Trent 6
Winnipeg 3.6
York 6

Public policy and public administration
Concordia (PQ) 3

Public policy and public management
Ottawa 6

Relations internationales
Laval 3
Ottawa 3

Russian and political science
McMaster 6

Sciences politiques
Laurentienne 6
Laval 1.3.6.9.10
Moncton 6.10
Montréal 1.3.6.9.10
Ottawa 3.6
UQAC 6
UQAM 1.3.6
York 6

Social and political thought
Ottawa 6
York 1.3.6

Strategic studies
York 5

Urban politics
Alberta 1.3
Winnipeg 6

Psychology/Psychologie

Adaptation scolaire et sociale
UQAM 8

Animal behavior
Carleton 6
Memorial 1.3
Toronto 6

Animal learning
Alberta 1.3

Applied psychology
Bishop's 6
Concordia (PQ) 3
Dalhousie 1.3.6
Guelph 3
King's (NS) 6
New Brunswick 1.3
OISE 1.3
Royal Roads Military 6
Saint Mary's 3.6
Saskatchewan 1.3.5
Waterloo 3

Behavior modification-problem children
Memorial 6

Behavioral/learning theory
Ottawa 1.3

Behavioral neuroscience
Memorial 1.3.6
Toronto 1.3

Behavioral science
Toronto 1.3

Behavioral studies
Campion 6
Regina 3.6
SIFC 6

Biological psychology
Ottawa 1.3

Biopsychology
British Columbia 1.3
Memorial 1.3.6

Child clinical psychology
Ottawa 1.3

Child development
Laurentian 3
Mount Saint Vincent 6.8
OISE 1.3
Ottawa 1.3

Child psychology
Alberta 1.3
Campion 6
OISE 1.3
Regina 6
SIFC 6
York 6

Child study
Brock 6
Guelph 6
Mount Saint Vincent 6
OISE 1.3
Toronto 5

Clinical-counselling psychology
York 1

Clinical neuropsychology
Ottawa 1.3

Clinical psychology
Acadia 3
Alberta 1.3
British Columbia 1.3
Lakehead 3
Manitoba 1.2.3
Ottawa 1.3
Queen's 5
Saskatchewan 1.3.5
SIFC 6
Simon Fraser 1
Windsor 5

Cognition and learning
Ottawa 1.3

Cognition et apprentissage
Ottawa 1.3

Cognitive psychology
Alberta 1.3
British Columbia 1.3
Carleton 1.3
Memorial 1.3
Toronto 1.3

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Connaissance de l'homme en société
Québec, Télé-université 8

Connaissance de l'homme et son milieu
Québec, Télé-université 8

Counsellor training
Acadia 3.6
Manitoba 3
OISE 1.3

Development studies
Winnipeg 6
York 1

Developmental psychology
Alberta 1.3
British Columbia 1.3
OISE 1.3
Ottawa 1.3
Toronto 1.3
York 1

Enfance inadaptée
UQTR 8

Environmental psychology
British Columbia 1.3

Experimental psychology
Bishop's 6
Campion 6
Concordia (PQ) 3
Guelph 3
Lakehead 3
Memorial 1.3
New Brunswick 1.3
Ottawa 1.3
Saskatchewan 1.3.5
SIFC 6
Simon Fraser 1.3.6
Victoria (BC) 1.3
York 1

Experimental psychopathology
Toronto 1.3

Experimental social psychology
Toronto 1.3

Forensic psychology
British Columbia 1.3

Formation personnelle et sociale, enseignement de la
UQAM 8

Génagogie
UQTR 6

Intervention psycho-sociale
UQAM 8

Learning
OISE 1.3
Waterloo 1.3

Lifespan development and aging
St. Jerome's 6
Victoria (BC) 1.3

Lifespan developmental psychology
Memorial 1.3

Neuropsychology
Brock 6
Carleton 1.3
Dalhousie 1.3
Victoria (BC) 1.3

Perception
Alberta 1.3
British Columbia 1.3
Memorial 1.3

Personality
Alberta 1.3
British Columbia 1.3

Physiological psychology
Alberta 1.3
Western Ontario 6

Psychodynamic/ psychoanalytical theory
Ottawa 1.3

Psychological aesthetics
Alberta 1.3

Psychologie
Laurentienne 6
Laval 1.3.6.10
Moncton 3.6.10
Montréal 1.3.6.9.10
Ottawa 1.3.6
Saint-Boniface 9.10
Sherbrooke 6
UQAC 6.8
UQAM 1.6
UQTR 1.3.6.8
UQAT 8
York 6

Psychologie biologique
Ottawa 1.3

Psychologie clinique
Montréal 1.3
Ottawa 1.3

Psychologie clinique de l'enfant
Ottawa 1.3

Psychologie des relations humaines
Sherbrooke 3.5.10

Psychologie du counselling
Montréal 1.3

Psychologie éducationnelle
Moncton 3
Montréal 1.3

Psychologie expérimentale
Ottawa 1.3

Psychologie fondamentale
Montréal 1.3

Psychologie industrielle et organisationnelle
Montréal 1.3

Psychology
Acadia 3.6
Alberta 1.3.6
Athabasca 6.9
Bishop's 6
Brandon 6
Brescia 6
British Columbia 1.3.6
British Columbia Open 9
Brock 6
Calgary 1.3.6
Campion 6
Camrose Lutheran 6
Cape Breton 6.7
Carleton 1.3.6

Key
1. Doctorate 2. Master of philosophy 3. Master 4. Licence 5. Graduate diploma 6. Bachelor and first professional degree
7. Undergraduate diploma or certificate 8. Special certificate 9. Major or diploma 10. Minor or certificate

Concordia (AB) 6.10
Concordia (PQ) 1.6.10
Dalhousie 1.3.6
Guelph 3.6
Huron 6
King's (NS) 6
King's (ON) 6
Lakehead 3.6
Laurentian 6
Lethbridge 6
Luther 6
Manitoba 1.3.6
McGill 1.3.6
McMaster 1.3.6
Memorial 1.3.6.9.10
Mount Allison 6
Mount Saint Vincent 6
New Brunswick 1.3.6
Ottawa 1.3.6
Queen's 1.3.6
Prince Edward Island 6
Redeemer 6
Regina 1.3.6
St. Francis Xavier 6
St. Jerome's 6
Saint Mary's 6
St. Thomas 6
St. Thomas More 6
Saskatchewan 1.3.5.6
SIFC 6
Simon Fraser 1.3.6.9.10
Toronto 1.3.6
Trent 6
Trinity Western 6
Victoria (BC) 1.3.6
Waterloo 1.3.6.10
Western Ontario 1.3.6
Wilfrid Laurier 3.6
Windsor 1.3.6
Winnipeg 6
York 1.3.6

Psychology/psychobiology
Concordia (PQ) 6

Psychology (arts)
Alberta 6
King's (AB) 6

Psychology (science)
Alberta 6
King's (NS) 6
Waterloo 6
Wilfrid Laurier 6

Psychosociologie de la communication
UQAM 6

Réadaptation sociale
UQAC 8

Rehabilitation psychology
Ottawa 1.3

Rehabilitation science
McGill 1.3

Research psychology
McMaster 1.3

Sciences de la communication
Montréal 3.9.10

Sexuality, marriage and the family, studies in
Waterloo 10

Social and personality psychology
York 1

Social development studies
Waterloo 6.10

Social psychology
Alberta 1.3
British Columbia 1.3
Carleton 1.3
Memorial 1.3
Victoria (BC) 1

Theoretical psychology
Alberta 1.3

Théorie du comportement et de l'apprentissage
Ottawa 1.3

Théorie existentielle et humaniste
Ottawa 1.3

Théorie psychodynamique et psychoanalytique
Ottawa 1.3

Regional studies/Etudes régionales

Aménagement
Montréal 1.3

Aménagement du territoire et développement régional
Laval 3

Aménagement et géographie
UQAC 6

Développement régional
UQAR 3

Développement rural intégré
Laval 5

Etudes appliquées en urbanisme
UQAM 8

Etudes régionales
UQAC 3

Planning
Windsor 3.6

Regional and community planning
British Columbia 1.3

Regional and community studies
Brandon 6
New Brunswick 9

Regional and urban development
St. Thomas More 6
Saskatchewan 6

Regional planning
Guelph 3
Waterloo 1.3.6

Regional studies
McMaster 1.3

Restauration, rénovation, recyclage
Montréal 3

Urban analysis and real estate
McGill 6

Explication des numéros
1. Doctorat 2. Maîtrise en philosophie 3. Maîtrise 4. Licence 5. Diplôme d'études supérieures 6. Baccalauréat et premier diplôme professionel 7. Diplôme d'études de 1er cycle 8. Certificat spécial 9. Majeure ou diplôme 10. Mineure ou certificat

Urban and regional development
York 6

Urban and regional planning
Calgary 3
Lethbridge 6
New Brunswick 10
Queen's 3
Ryerson 6
Toronto 3
Waterloo 1.3.6

Urban and regional studies
Lethbridge 6

Urban and rural planning
Technical University 3

Urban development
Western Ontario 6

Urban planning
British Columbia 5
Manitoba 3
McGill 3
Waterloo 1.3.6

Urban studies
Brock 6.8
Calgary 6
Carleton 6
Concordia (PQ) 6.10
McMaster 1.3
New Brunswick 6
Toronto 6
Wilfrid Laurier 6
Windsor 6
Winnipeg 6
York 6

Urbanisme
Montréal 3.6
UQAM 6

Rehabilitation medicine/ Réadaptation

Ergothérapie
Laval 6
Montréal 6
Ottawa 6

Health science (rehabilitation)
McGill 3

Médecine de réadaptation
Ottawa 5

Occupational therapy
Alberta 3.6
British Columbia 6
Dalhousie 6
Manitoba 6.7
McGill 6
McMaster 6
Ottawa 6
Queen's 6
Toronto 6
Western Ontario 3.6

Orthophonie et audiologie
Montréal 3.6

Physical therapy
Manitoba 3.6
McGill 6
Saskatchewan 6
Toronto 6
Western Ontario 3.6

Physiothérapie
Laval 6
Montréal 6
Ottawa 6

Physiotherapy
Alberta 3.6
British Columbia 6
Dalhousie 6
Manitoba 3.6
McMaster 6
Ottawa 6
Queen's 6

Rehabilitation medicine
British Columbia 6
Dalhousie 5
McMaster 5
Ottawa 5
Saskatchewan 3.5
Toronto 5

Speech pathology and audiology
Alberta 3.6
British Columbia 1.3
Dalhousie 3
McGill 3
Toronto 3
Western Ontario 3

Religious studies/ Etudes religieuses

Amerindian religions
Ottawa 1.3

Ancient Near Eastern religions
Ottawa 1

Animation pastorale
UQAR 8

Anthropologie chrétienne et littérature comparée
Ottawa 3

Art and the sacred
Ottawa 3.6

Art et sacré
Ottawa 3.6

Asian religion and philosophy
McMaster 1.3

Biblical studies
British Columbia 3
Carleton 3
McGill 1.3
McMaster 1.3
Memorial 3.6.9.10
St. Jerome's 6
Trinity Western 6
Wilfrid Laurier 3.6
Winnipeg 3
York 6

Buddhism
British Columbia 1.3.6

Canadian religion
Ottawa 1

Canon law
St. Michael's 1.4
Saint Paul 1.3.4.6

Catholic studies
St. Jerome's 10
St. Paul's 8

Christian anthropology and contemporary literature
Ottawa 3

Key
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Christian ethics
Wilfrid Laurier 3

Christian philosophy
Toronto 6

Christian studies
York 6

Christian thought and history
Memorial 6.9
Ottawa 6
St. Jerome's 6

Christian thought and institutions
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Christian worship
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Ottawa 6

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Saint-Paul 3.5
Winnipeg 5

Counselling pastoral
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Winnipeg 5

Culture religieuse
Sherbrooke 10

Divinity
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Saint-Paul 1.3.4.6

Early christianity
Ottawa 3.6

East Asian and religious studies
Toronto 1.2.3.6

Education morale
Laval 10
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Montréal 1.3.9.10

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Ottawa 3

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McGill 1.3

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Concordia (PQ) 3

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Ottawa 3

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Saint Paul 3.5
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Winnipeg 3.6
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Memorial 6.9.10

Religion and culture
McGill 1.3
Wilfrid Laurier 3.6

Religion and culture in Africa
Ottawa 3

Religion and psychology
Ottawa 3.6

Religion and social sciences
McMaster 1.3

Religion et culture en Afrique
Ottawa 3

Religion et psychologie
Ottawa 3.6

Religions amérindiennes
Ottawa 1.3

Religions au Canada
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Samaritanisme
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UQAR 8
UQTR 8

Sciences religieuses et en pastorale
UQTR 8

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Mount Saint Vincent 6
New Brunswick 6
Ottawa 8
Regina 6

Executive secretarial and administrative studies
McMaster 8
Mount Saint Vincent 9

Executive secretarial studies
Cape Breton 7
Mount Saint Vincent 7

Legal secretarial science
Cape Breton 7
Mount Saint Vincent 7

Medical records science
Mount Saint Vincent 7

Medical secretarial science
Cape Breton 7

Sciences du secrétariat
Sainte-Anne 7

Sciences du secrétariat (bilingue)
Moncton 8
Sainte-Anne 7

Secretarial and administrative studies
Mount Saint Vincent 6.9

Secretarial science technology
Cape Breton 7

Techniques administratives
Moncton 7

Techniques de bureau
Moncton 7

Social work/ Service social

Action communautaire
Montréal 10

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McMaster 8
Regina 8

Administration sociale
Montréal 5

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Memorial 3

Alcoologie et toxicologie
Moncton 8

Applied gerontology
Windsor 7

Applied social science
Concordia (PQ) 6

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Ryerson 6

Child care
Victoria (BC) 6

Community service
Concordia (PQ) 10

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McMaster 8

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Social administration
Wilfrid Laurier 5

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McMaster 3
Wilfrid Laurier 5

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Etude sur la condition de la femme
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UQAM 5

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York 6

Immigration et relations interethniques
UQAM 8

Individual and society
McMaster 1

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Insertion sociale et professionnelle des jeunes
UQAM 8

Interprétation et animation du patrimoine
UQTR 8

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Dalhousie 6
Ottawa 6
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Occupations and society
McMaster 1

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Ottawa 3

Sciences du loisir
Ottawa 6
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Sciences humaines
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UQAH 6
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UQAM 6

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Windsor 6
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Queen's 6

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Memorial 2.3

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Simon Fraser 9

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Redeemer 6
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Memorial 2.3

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Waterloo 10

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Bishop's 6
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British Columbia 6
Brock 6
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Concordia (AB) 10
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Anatomy
Guelph 5
Saskatchewan 1.3.5

Anesthesiology, radiology and surgery
Saskatchewan 1.3.5

Biological immunology
Guelph 1.3.5

Biomedical sciences
Guelph 1.3.5

Clinical studies
Guelph 3.5

Diagnostique en laboratoire
Montréal 5

Epidemiology
Guelph 1.3.5

Herd medicine and theriogenology
Saskatchewan 1.3.5

Histology
Guelph 1.3

Internal medicine
Saskatchewan 1.3.5

Internat de perfectionnement en sciences appliquées vétérinaires
Montréal 5

Médecine bovine
Montréal 5

Médecine des petits animaux
Montréal 5

Médecine équine
Montréal 5

Médecine porcine
Montréal 5

Médecine vétérinaire
Montréal 6

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Montréal 5

Microbiology
Guelph 1.3
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Saskatchewan 1.3.5

Parasitology
Guelph 1.3.5
McGill 1.3

Pathologie aviaire
Montréal 5

Pathologie et microbiologie vétérinaires
Montréal 3

Pathology
Guelph 1.3.5
Saskatchewan 1.3.5

Pharmacology
Guelph 1.3.5

Physiological sciences
Saskatchewan 1.3.5

Sciences cliniques vétérinaires
Montréal 3

Thériogénologie
Montréal 5

Toxicologie
Montréal 5

Toxicology
Guelph 1.3

Veterinary medicine
Guelph 1.3.5.6
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Répertoire de l'enseignement à distance dans les universités canadiennes

Statistiques financières des universités et collèges

Etc.

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